

# Yemen, Rep. - Enterprise Survey 2010-2013, Panel Data

**World Bank, European Bank for Reconstruction and Development, European  
Investment Bank**

Report generated on: October 8, 2015

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# Sampling

## Sampling Procedure

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For Yemen ES 2013, two sample frames were used. The first was supplied by the World Bank and consisted of enterprises interviewed in Yemen in 2010. The World Bank required that attempts were made to re-interview establishments responding to the Yemen 2010 Enterprise Survey where they met eligibility criteria. This sample is referred to as the panel. The second sample frame, referred to as a fresh sample, was obtained from the Central Statistics Office, 2010 Establishment Census, with updates and validation provided by the Yemen Polling Center (YPC).

## Response Rate

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Survey non-response must be differentiated from item non-response. The former refers to refusals to participate in the survey altogether whereas the latter refers to the refusals to answer some specific questions. Enterprise Surveys suffer from both problems and different strategies were used to address these issues.

Item non-response was addressed by two strategies:

- a- For sensitive questions that may generate negative reactions from the respondent, such as corruption or tax evasion, enumerators were instructed to collect the refusal to respond as a different option from don't know.
- b- Establishments with incomplete information were re-contacted in order to complete this information, whenever necessary.

Survey non-response was addressed by maximizing efforts to contact establishments that were initially selected for interview. Attempts were made to contact the establishment for interview at different times/days of the week before a replacement establishment (with similar strata characteristics) was suggested for interview. Survey non-response did occur but substitutions were made in order to potentially achieve strata-specific goals.

## Weighting

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For some units it was impossible to determine eligibility because the contact was not successfully completed. Consequently, different assumptions as to their eligibility result in different universe cells' adjustments and in different sampling weights. Three sets of assumptions were considered:

- a- Strict assumption: eligible establishments are only those for which it was possible to directly determine eligibility.
- b- Median assumption: eligible establishments are those for which it was possible to directly determine eligibility and those that rejected the screener questionnaire or an answering machine or fax was the only response. Median weights are used for computing indicators on the [www.enterprisesurveys.org](http://www.enterprisesurveys.org) website.
- c- Weak assumption: in addition to the establishments included in points a and b, all establishments for which it was not possible to finalize a contact are assumed eligible. This includes establishments with dead or out of service phone lines, establishments that never answered the phone, and establishments with incorrect addresses for which it was impossible to find a new address. Note that under the weak assumption only observed non-eligible units are excluded from universe projections.

# Questionnaires

## Overview

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The following survey instruments were used for Yemen 2013 ES:

- Manufacturing Questionnaire;
- Services Questionnaire.

The survey is fielded via manufacturing or services questionnaires in order not to ask questions that are irrelevant to specific types of firms, e.g. a question that relates to production and nonproduction workers should not be asked of a retail firm. In addition to questions that are asked across countries, all surveys are customized and contain country-specific questions. An example of customization would be including tourism-related questions that are asked in certain countries when tourism is an existing or potential sector of economic growth.

The eligible manufacturing industries have been surveyed using the Manufacturing Module Questionnaire (includes a common set of core variables, plus manufacturing specific questions). Eligible service establishments have been covered using the Services Module Questionnaire. Each variation of the questionnaire is identified by the index variable, a0.

All variables are named using, first, the letter of each section and, second, the number of the variable within the section, i.e. a1 denotes section A, question 1. Variable names preceded by a prefix "MNA" indicate questions specific to the Middle East and North Africa region, therefore, they may not be found in the implementation of the rollout in other countries. All other suffixed variables are global and are present in all economy surveys over the world. All variables are numeric with the exception of those variables with an "x" at the end of their names. The suffix "x" denotes that the variable is alpha-numeric.

The following survey instruments were used for Yemen 2010 ES:

- Core Questionnaire + Manufacturing Module [ISIC Rev.3.1: 15-37]
- Core Questionnaire + Retail Module [ISIC Rev.3.1: 52]
- Core Questionnaire [ISIC Rev.3.1: 45, 50, 51, 55, 60-64, 72]

The "Core Questionnaire" is the heart of the Enterprise Survey and contains the survey questions asked of all firms across the world. There are also two other survey instruments- the "Core Questionnaire + Manufacturing Module" and the "Core Questionnaire + Retail Module."

## Data Collection

### Data Collection Dates

Start	End	Cycle
2010-03	2010-06	N/A
2013-03	2014-07	N/A

### Data Collection Mode

Face-to-face [f2f]

#### DATA COLLECTION NOTES

Private contractors conduct the Enterprise Surveys on behalf of the World Bank. Due to sensitive survey questions addressing business-government relations and corruption-related topics, private contractors are preferred over any government agency or an organization/institution associated with government, and are hired by the World Bank to collect the data.

The Enterprise Surveys are usually implemented following a two-stage procedure. In the first stage, a screener questionnaire is applied over the phone to determine eligibility and to make appointments; in the second stage, a face-to-face interview takes place with the manager, owner or director of each establishment. All Enterprise Surveys are conducted in the local languages.

The Gallup Organization and the Yemen Polling Center were hired to implement Yemen, Rep. Enterprise Survey 2013.

### Data Collectors

Name	Abbreviation	Affiliation
Prodigy Systems		Data collection in 2010
Gallup		Data collection in 2013
Yemen Polling Center	YPC	Data collection in 2013

# Data Processing

## Data Editing

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Data entry and quality controls are implemented by the contractor and data is delivered to the World Bank in batches (typically 10%, 50% and 100%). These data deliveries are checked for logical consistency, out of range values, skip patterns, and duplicate entries. Problems are flagged by the World Bank and corrected by the implementing contractor through data checks, callbacks, and revisiting establishments.

# Data Appraisal

No content available

# File Description

# Variable List

## Yemen\_2010\_2013\_Panel

Content

Cases 830

Variable(s) 514

Structure Type:  
Keys: ()

Version

Producer

Missing Data

## Variables

ID	Name	Label	Type	Format	Question
V315	idstd	WEB STD FIRMID	contin	numeric	
V316	id_2013	ID number 2013 survey	contin	numeric	
V317	idPANEL2010		contin	numeric	
V318	country		discrete	character	
V319	year	Year of survey	discrete	numeric	
V320	panel	Panel: Firm interviewed in these years	discrete	numeric	
V321	eligibility2010	ELIGIBILITY of 2010 firm	discrete	character	
V322	phoneid	phoneid	contin	numeric	
V323	a0	Questionnaire	discrete	numeric	
V324	a1	Country Code	discrete	numeric	
V325	a1a	Language Of The Interview	discrete	character	
V326	a2	Sampling Region	discrete	numeric	
V327	a3a	Region Of The Establishment	discrete	numeric	
V328	a3b	is this city the official capital city?	discrete	numeric	Is this city the official capital city?
V329	a3c	is this city the main business city?	discrete	numeric	Is this city the main business city?
V330	a3	Size Of Locality	discrete	numeric	
V331	a4a	Industry Sampling Sector	discrete	numeric	
V332	a4b	Industry Screener Sector	discrete	numeric	
V333	a5	Sector Match Between Screener Information And Sample Frame	discrete	numeric	Sector match between screener information and sample frame
V334	a6a	Sampling Size	discrete	numeric	
V335	a6b	Screener Size	discrete	numeric	
V336	a7a	Number Of Establishments In The Firm	discrete	numeric	Number of establishments that form the firm
V337	a7b	Organization headquarter or subsidiary	discrete	numeric	
V338	a7c	Number of establishments that form the firm	contin	numeric	
V339	a8	Type Of Establishment	discrete	numeric	Type of establishment

ID	Name	Label	Type	Format	Question
V340	a9	Establishment's Financial Statements Prepared Separately from HQ Statements	discrete	numeric	Are establishment's financial statements prepared separately from HQ's statements?
V341	a10	Establishment's Financial Statements Separate from Other Establishments	discrete	numeric	Are establishment's financial statements prepared separately from other establishments of the same firm?
V342	a11	If HQ, Financial Statements Independent Of The Rest Of Establishment	discrete	numeric	If HQ, are financial statements independent from the rest of establishments?
V343	a11a	How Many Establishments Are Included In The Financial Statements?	contin	numeric	
V344	a12	Interviewer Number	discrete	character	Interviewer code
V345	a14d	Day	contin	numeric	Date face-to-face interview begins: Day (dd)
V346	a14m	Month	discrete	numeric	Date face-to-face interview begins: Month (mm)
V347	a14y	Year	discrete	numeric	Date face-to-face interview begins: Year (yyyy)
V348	a14h	Hour	discrete	numeric	Time face-to-face interview begins: Hour (00 to 23)
V349	a14min	Minutes	contin	numeric	Time face-to-face interview begins: Minutes (00 to 59)
V350	b1	Legal Status of the Firm	discrete	numeric	What is this firm's current legal status?
V351	b1x	Other (Specify)	discrete	character	What is this firm's current legal status? Other
V352	b3	What Percentage Of This Firm Does The Largest Owner(s) Own?	discrete	numeric	What percent of this firm does the largest owner or owners own?
V353	b2a	% owned by Private Domestic Individuals, Companies Or Organizations	discrete	numeric	What percent of this firm is owned by each of the following: Private domestic individuals, companies or organizations
V354	b2b	% owned by Private Foreign Individuals, Companies Or Organizations	discrete	numeric	What percent of this firm is owned by each of the following: Private foreign individuals, companies or organizations
V355	b2c	% owned by Government/State	discrete	numeric	What percent of this firm is owned by each of the following: Government/State
V356	b2d	% owned by Other	discrete	numeric	What percent of this firm is owned by each of the following: Other
V357	MNAb4a	Is the Principal owner a female?	discrete	numeric	Is the principal owner, or one of the principal owners, a female? (The principal owner is the person or persons with the largest ownership share)
V358	b4	Amongst the owners of the firm, are there any females?	discrete	numeric	Amongst the owners of the firm, are there any females?
V359	b4a	% of the firm owned by females	discrete	numeric	What percentage of the firm is owned by females?
V360	MNAq5	How was the firm established?	discrete	numeric	How was this firm established?

ID	Name	Label	Type	Format	Question
V361	MNAq5x	How was the firm established (Other)	discrete	character	How was this firm established?
V362	b5	Year Establishment Began Operations	discrete	numeric	In what year did this establishment begin operations?
V363	b6	Number Of Full-Time Employees Of The Establishment When It Started Operations	discrete	numeric	How many full-time employees did this establishment employ when it started operations? Please include all employees and managers
V364	b6a	Was Establishment Formally Registered When It Began Operations?	discrete	numeric	Was this establishment formally registered when it began operations?
V365	b6b	In What Year Was This Establishment Formally Registered?	discrete	numeric	In what year was this establishment formally registered?
V366	b7	How Many Years Of Experience Working In This Sector Does The Top Manager Have?	discrete	numeric	How many years of experience working in this sector does the Top Manager have?
V367	b7a	Is The Top Manager Female?	discrete	numeric	Is the Top Manager female?
V368	MNAb7b	Highest level of Top Manager education	discrete	numeric	What is the highest level of education completed by the Top Manager?
V369	b8	Does Establishment Have An Internationally-Recognized Quality Certification?	discrete	numeric	Does this establishment have an internationally-recognized quality certification?
V370	c3	Application To Obtain An electrical connection Submitted Over The Last 2 Years	discrete	numeric	Over the last two years, did this establishment submit an application to obtain an electrical connection?
V371	c4	How Many Days Did It Take For You To Receive An Electrical Connection Service?	discrete	numeric	In reference to that application for an electrical connection, approximately how many days did it take to obtain it from the day of the application to the day the service was received?
V372	c5	Informal Gift/Payment Expected Or Requested For An Electrical Connection?	discrete	numeric	In reference to that application for an electrical connection, was an informal gift or payment expected or requested?
V373	c6	Over last FY, Did This Establishment Experience Power Outages?	discrete	numeric	Over fiscal year [insert last complete fiscal year], did this establishment experience power outages?
V374	c7	Number Of Power Outages Experienced In A Typical Month In Last Fiscal Year	discrete	numeric	In a typical month, over fiscal year [insert last complete fiscal year], how many power outages did this establishment experience?
V375	c8	How Long Did The Average Power Outage Last?	discrete	numeric	How long did these power outages last on average?
V376	c9a	In last FY, losses as % of annual sales due to power outages	discrete	numeric	Please estimate the losses that resulted from power outages either as a percentage of total annual sales or as total annual losses. Loss as percent of total annual sales due to power outages

ID	Name	Label	Type	Format	Question
V377	c9b	In last FY, value of losses due to power outages	discrete	numeric	Please estimate the losses that resulted from power outages either as a percentage of total annual sales or as total annual losses. Annual losses due to power outages
V378	c10	Generator Shared Or Owned Over The Course Of Last Fiscal Year?	discrete	numeric	Over the course of fiscal year [insert last complete fiscal year], did this establishment own or share a generator?
V379	c11	% Electricity From Generator Owned/Shared By The Establishment In Last Fiscal Yr	discrete	numeric	In fiscal year [insert last complete fiscal year], what percent of this establishment's electricity came from a generator or generators that the establishment owned or shared?
V380	c12	Application To Obtain A Water Connection Submitted Over The Last 2 Years	discrete	numeric	Over the last two years, did this establishment submit an application to obtain a water connection?
V381	c13	How Many Days Did It Take For You To Obtain A Water Connection?	discrete	numeric	In reference to that application for a water connection, approximately how many days did it take to obtain it from the day of the application to the day the service was received?
V382	c14	When You Applied For A Water Connection, Was An Informal Gift/payment Requested?	discrete	numeric	In reference to that application for a water connection, was an informal gift or payment expected or requested?
V383	c15	Did You Experience Insufficient Water Supply For Production In Last Fiscal Yr?	discrete	numeric	Over fiscal year [insert last complete fiscal year], did this establishment experience insufficient water supply for production?
V384	c16	Frequency Of Incidents Of Water Shortages In A Typical Month In Last Fiscal Yr	discrete	numeric	In a typical month, over fiscal year [insert last complete fiscal year], how many incidents of insufficient water supply did this establishment experience?
V385	c17	Average Length Of Water Shortages (Affecting Production) In Last Fiscal Year	discrete	numeric	How long did these incidents of insufficient water supply last on average?
V386	c18	% Of Water Supply (Used In Production) From Public Sources In Last Fiscal Year	discrete	numeric	In fiscal year [insert last complete fiscal year], what percentage of this establishment's water supply, used in the production process, was from the following? Water from public sources
V387	MNAc18a	% of water supply from own or shared well	discrete	numeric	In fiscal year [insert last complete fiscal year], what percentage of this establishment's water supply, used in the production process, was from the following? Your own well or shared well

ID	Name	Label	Type	Format	Question
V388	MNAc18b	% of water supply purchased from private vendors	discrete	numeric	In fiscal year [insert last complete fiscal year], what percentage of this establishment's water supply, used in the production process, was from the following? Purchased from private vendors
V389	MNAc18c	% of water supply from other	discrete	numeric	In fiscal year [insert last complete fiscal year], what percentage of this establishment's water supply, used in the production process, was from the following? Other
V390	c22a	Do You Currently Communicate With Clients And Suppliers By E-Mail?	discrete	numeric	At the present time, does this establishment use e-mail to communicate with clients or suppliers?
V391	c22b	Establishment has its own website	discrete	numeric	At the present time, does this establishment use its own website?
V392	c28	Cell phones used in operations of the establishment	discrete	numeric	Does this establishment currently use cell phones for the operations of the establishment?
V393	c30a	How Much Of An Obstacle: Electricity To Operations Of This Establishment?	discrete	numeric	Is electricity No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?
V394	MNAc31a1	Change in total costs if electricity no longer an obstacle	discrete	numeric	Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if electricity is no longer an obstacle?
V395	MNAc31a3	Expected % decrease in total costs - electricity no obstacle	discrete	numeric	By what percentage would this establishment's total annual costs DECREASE in the next fiscal year?
V396	c30b	How Much Of An Obstacle: Telecommunications To Operations Of This Establishment?	discrete	numeric	Is Telecommunications No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?
V397	d1a1x	Main Product/Service (By The Largest % Of Annual Sales) In Last Fiscal Year	discrete	character	In fiscal year [insert last complete fiscal year], what was this establishment's main product, that is, the product that represented the largest proportion of annual sales (in LCU)?
V398	d1a2	First Product/Service Isic Code	contin	numeric	PLEASE CHOOSE THE 4-DIGIT ISIC REV 3.1 CODE THAT BEST APPLIES TO THE ESTABLISHMENT'S MAIN ACTIVITY AND PRODUCT.
V399	d1a3	First Product/Service, Percent Of Total Annual Sales	discrete	numeric	What percentage of total sales does the main product represent?

ID	Name	Label	Type	Format	Question
V400	d2	In Last Fiscal Year, What Were This Establishment'S Total Annual Sales?	discrete	numeric	In fiscal year [insert last complete fiscal year], what were this establishment's total annual sales?
V401	n3	What Were the Establishment Sales 3 years ago (FY 2009)	discrete	numeric	In fiscal year [insert three complete fiscal years ago], three fiscal years ago, what were total annual sales for this establishment?
V402	d3a	% of sales: National sales	discrete	numeric	In fiscal year [insert last complete fiscal year], what percent of this establishment's sales were: National sales
V403	d3b	% o sales: Indirect exports	discrete	numeric	In fiscal year [insert last complete fiscal year], what percent of this establishment's sales were: Indirect exports (sold domestically to third party that exports products)
V404	d3c	% of sales: Direct exports	discrete	numeric	In fiscal year [insert last complete fiscal year], what percentage of this establishment's sales were: Direct exports
V405	d4	In last FY, avg. num. of days for exported goods to clear customs?	discrete	numeric	In fiscal year [insert last complete fiscal year], when this establishment exported goods directly, how many days did it take on average from the time this establishment's goods arrived at their main point of exit (e.g., port, airport) until the time these goods cleared customs?
V406	d6	In last FY, Export Losses Due To Theft As % Of value of products	discrete	numeric	In fiscal year [insert last complete fiscal year], what percent of the consignment value of the products exported directly was lost while in transit because of theft?
V407	d7	In last FY, Export Losses Due To Breakage Or Spoilage As % Of value of products	discrete	numeric	In fiscal year [insert last complete fiscal year], what percent of the consignment value of the products exported directly was lost while in transit because of breakage or spoilage?
V408	d8	In What Year Did This Establishment First Export Directly Or Indirectly?	discrete	numeric	In which year did this establishment first export directly or indirectly?
V409	d10	In last FY, % of value of products lost in transit due to theft	discrete	numeric	In fiscal year [insert last complete fiscal year], what percent of the consignment value of products this establishment shipped to supply domestic markets was lost while in transit because of theft?
V410	MNA7x	Main country of destination for this establishment's exports	discrete	character	In fiscal year [insert last complete fiscal year], what percentage of the value of the products exported directly was lost while in transit because of breakage or spoilage?

ID	Name	Label	Type	Format	Question
V411	d11	In last FY, % of value of products lost in transit due to breakage or spoilage?	discrete	numeric	In fiscal year [insert last complete fiscal year], what percent of the consignment value of products this establishment shipped to supply domestic markets was lost while in transit because of breakage or spoilage?
V412	d12a	% Of Material Inputs And Supplies Of Domestic Origin In Last Fiscal Year	discrete	numeric	In fiscal year [insert last complete fiscal year], as a proportion of all of the material inputs or supplies purchased that year, what percent of this establishment's material inputs or supplies were: Material inputs or supplies of domestic origin
V413	d12b	% Of Material Inputs And Supplies Of Foreign Origin In Last Fiscal Year	discrete	numeric	In fiscal year [insert last complete fiscal year], as a proportion of all material inputs or supplies purchased that year, what percentage of this establishment's material inputs or supplies were: Material inputs or supplies of foreign origin
V414	d13	Were Any Of These Material Inputs And Supplies Imported Directly?	discrete	numeric	Were any of the material inputs or supplies purchased in fiscal year [insert last complete fiscal year], imported directly?
V415	d14	Avg. num. of Days For Imported Goods To Clear Customs In Last Fiscal Year	discrete	numeric	In fiscal year [insert last complete fiscal year], when this establishment imported material inputs or supplies, how many days did it take on average from the time these goods arrived to their point of entry (e.g. port, airport) until the time these goods could be claimed from customs?
V416	MNAAd14b	Longest number of days to clear customs in last fiscal yr (direct import)	discrete	numeric	In fiscal year [insert last complete fiscal year], when this establishment imported material inputs or supplies, what was the longest number of days that it took from the time these goods arrived to their point of entry (e.g. port, airport) until the time these goods could be claimed from customs?
V417	d16	Avg. days of inventory of most important input kept by establishment	discrete	numeric	At the present time, when this establishment receives delivery of its most important input, on average, how many days of inventory, measured in days of production, does this establishment keep?
V418	d17	Avg. days of inventory of main sales item kept by establishment	discrete	numeric	At the present time, when this establishment receives its main sales item, on average, how many days of inventory measured in days of sales, does this establishment keep?

ID	Name	Label	Type	Format	Question
V419	d30a	How Much Of An Obstacle: Transport?	discrete	numeric	Using the response options on the card; To what degree is Transport an obstacle to the current operations of this establishment?
V420	d30b	How Much Of An Obstacle: Customs And Trade Regulations?	discrete	numeric	Using the response options on the card; To what degree is Customs and Trade Regulation an obstacle to the current operations of this establishment?
V421	MNAAd31b1	Change in total costs if customs and trade regulations are no longer an obstacle	discrete	numeric	Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if customs and trade regulations are no longer an obstacle?
V422	MNAAd31b3	Expected % decrease in total costs - customs and trade regulations no obstacle	discrete	numeric	By what percentage would this establishment's total annual costs DECREASE in the next fiscal year?
V423	e1	In last FY, main market for establishment's main product	discrete	numeric	In fiscal year [insert last complete fiscal year], which of the following was the main market in which this establishment sold its main product?
V424	e2b	In main market, number of competitors faced by establishment's main product	discrete	numeric	In fiscal year [insert last complete fiscal year], for the main market in which this establishment sold its main product, how many competitors did this establishment's main product face?
V425	MNAe3a	Pressure from domestic competitors	discrete	numeric	How important are each of the following influences on this establishment to reduce the production costs of existing products and/or to develop new products on a scale of 1 to 4, 1 being "Not at all important" and 4 being "Very important".
V426	MNAe3b	Pressure from foreign competitors	discrete	numeric	How important are each of the following influences on this establishment to reduce the production costs of existing products and/or to develop new products on a scale of 1 to 4, 1 being "Not at all important" and 4 being "Very important". Pressure from foreign competitors
V427	e6	Do You Use Technology Licensed From A Foreign-Owned Company?	discrete	numeric	Does this establishment at present use technology licensed from a foreign-owned company, excluding office software?
V428	e11	Does This Establishment Compete Against Unregistered Or Informal Firms?	discrete	numeric	Does this establishment compete against unregistered or informal firms?

ID	Name	Label	Type	Format	Question
V429	MNAq53	National, regional, local government or EU subsidies over last 3 yrs?	discrete	numeric	Over the last three years has this establishment received any subsidies from the national, regional or local governments or European Union sources?
V430	e30	How Much Of An Obstacle: Practices of competitors in informal sector?	discrete	numeric	Are practices of competitors in the informal sector No Obstacle, a Minor Obstacle, a Moderate Obstacle, Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?
V431	MNAe20	Biggest obstacle faced by establishment from competitors	discrete	numeric	By looking at card [insert card number] can you tell me which of the practices of your competitors included in the list, if any, currently represents the biggest obstacle faced by this establishment
V432	h1	New or signif. improved product introduced in last three years?	discrete	numeric	In the last three years, has this establishment introduced new products or services?
V433	h2	New or signif. improved product also new to the establishment's main market?	discrete	numeric	Was the new product or service also new for the establishment's main market?
V434	h3	New or sig. impvd method of manf product or offering services in last 3 years?	discrete	numeric	In the last three years, has this establishment introduced any new or significantly improved methods of manufacturing products or offering services?
V435	h4a	New method for input, products, or service introduced over last 3 yrs	discrete	numeric	During the last three years, has this establishment introduced any new or significantly improved logistics, delivery, or distribution methods for inputs, products, or services?
V436	h4b	New supporting activities for process introduced over last 3 yrs	discrete	numeric	During the last three years, has this establishment introduced any new or significantly improved supporting activities for your processes, such as maintenance systems or operations for purchasing, accounting, or computing?
V437	h5	New or sig. impvd organizational structure introduced in last 3 years?	discrete	numeric	During the last three years, has this establishment introduced any new or significantly improved organizational structures or management practices?
V438	h6	New or signif. improved marketing method introduced in last three years?	discrete	numeric	During the last three years, has this establishment introduced new or significantly improved marketing methods?
V439	h7	During the last three years, did establ. spend on formal R&D activities?	discrete	numeric	During the last three years, did this establishment spend on formal research and development activities, either in-house or contracted with other companies?

ID	Name	Label	Type	Format	Question
V440	h8	During the last 3 years, did establ. give employees time to develop new idea?	discrete	numeric	During the last three years, did this establishment give employees some time to develop or try out a new approach or new idea about products or services, business process, firm management, or marketing?
V441	f1	In last FY, What Was The Capacity Utilization (%) Of This Establishment?	discrete	numeric	In fiscal year [insert last complete fiscal year], what was this establishment's output produced as a proportion of the maximum output possible if using all facilities available (capacity utilization)?
V442	f2	Number Of Hours Per Week Operated By The Establishment In Last Fiscal Year	discrete	numeric	In fiscal year [insert last complete fiscal year], how many hours per week did this establishment normally operate?
V443	MNAf3	Planns to increase size of the establishment	discrete	numeric	Are you planning to increase the production capacity and/or volume of sales of this establishment over the next year?
V444	MNAf4	Satisfied with current size of esbalishment?	discrete	numeric	Are you satisfied with the current production capacity and/or volume of sales of this establishment?
V445	MNAf5a	Satisfied because no more growth potential	discrete	numeric	What are the reasons for you being satisfied with the current production capacity and/or volume of sales of this establishment?
V446	MNAf5b	Satisfied so to avoid increased regulatory burden	discrete	numeric	What are the reasons for you being satisfied with the current production capacity and/or volume of sales of this establishment?
V447	MNAf5c	Satisfied so to avoid shareholder dispersion	discrete	numeric	What are the reasons for you being satisfied with the current production capacity and/or volume of sales of this establishment?
V448	MNAf5d	Content with current workload	discrete	numeric	What are the reasons for you being satisfied with the current production capacity and/or volume of sales of this establishment?
V449	g6a	Percentage Of The Building Occupied: Owned By This Establishment	discrete	numeric	Of the buildings occupied by this establishment, what percent is owned and what percent is rented or leased? Owned by this establishment
V450	g6b	Percentage Of The Building Occupied: Leased or Rented By This Establishment	discrete	numeric	Of the buildings occupied by this establishment, what percent is owned and what percent is rented or leased? Rented or leased by this establishment

ID	Name	Label	Type	Format	Question
V451	g6c	Percentage Of The Building Occupied: Other	discrete	numeric	Of the buildings occupied by this establishment, what percent is owned and what percent is rented or leased? Other
V452	g1a	Percentage Of The Land Occupied: Owned By This Establishment	discrete	numeric	Of the land occupied by this establishment, what percent is: Owned by this establishment
V453	g1b	Percentage Of The Land Occupied: Rented Or Leased By This Establishment	discrete	numeric	Of the land occupied by this establishment, what percent is: Rented or Leased by this establishment
V454	g1c	Percentage Of The Land Occupied: Other	discrete	numeric	Of the land occupied by this establishment, what percent is: Other
V455	g2	Applic. To Obtain A Construction-Related Permit Submitted Over The Last 2 Years	discrete	numeric	Over the last two years, did this establishment submit an application to obtain a construction-related permit?
V456	g3	How Many Days Did It Take For You To Obtain A Construction-Related Permit?	discrete	numeric	In reference to that application for a construction-related permit, approximately how many days did it take to obtain it from the day of the application to the day the permit was granted?
V457	g4	Informal Gift/Payment Expected Or Requested For A Construction-Related Permit	discrete	numeric	In reference to that application for a construction-related permit, was an informal gift or payment expected or requested?
V458	g5a	What Is The Total Selling Area In This Establishment?	discrete	numeric	What is the total selling area of this establishment?
V459	g5b	The Area Is Measured In:	discrete	numeric	What is the total selling area of this establishment?
V460	g5bx	Specify Other Units (If Not Included Above) The Area Is Measured In	discrete	character	What is the total selling area of this establishment?
V461	g30a	How Much Of An Obstacle: Access To Land?	discrete	numeric	Is access to land No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?
V462	i1	In last FY, Did This Establishment Pay For Security?	discrete	numeric	In fiscal year [insert last complete fiscal year], did this establishment pay for security, for example equipment, personnel, or professional security services?
V463	i2a	Percentage Of Total Annual Sales Paid For Security In Last Fiscal Year	discrete	numeric	In fiscal year [insert last complete fiscal year], what percent of this establishment's total annual sales was paid for security, or what was the total annual cost of security? Percent of total annual sales for security

ID	Name	Label	Type	Format	Question
V464	i2b	In Last Fiscal Year, What Is The Total Annual Cost Of Security?	discrete	numeric	In fiscal year [insert last complete fiscal year], what percent of this establishment's total annual sales was paid for security, or what was the total annual cost of security? Total annual cost of security
V465	i3	Losses Due To Theft, Robbery, Vandalism Or Arson Experienced In Last Fiscal Year	discrete	numeric	In fiscal year [insert last complete fiscal year], did this establishment experience losses as a result of theft, robbery, vandalism or arson?
V466	i4a	Losses Due To Theft, Robbery, Vandalism Or Arson In Last Fiscal Yr (% Of Sales)	discrete	numeric	In fiscal year [insert last complete fiscal year], what were the estimated losses as a result of theft, robbery, vandalism or arson that occurred on this establishment's premises either as a percentage of total annual sales or as total annual losses? Losses as percent of total annual sales
V467	i4b	Value Of Losses Due To Theft, Robbery, Vandalism Or Arson In Last Fiscal Yr	discrete	numeric	In fiscal year [insert last complete fiscal year], what were the estimated losses as a result of theft, robbery, vandalism or arson that occurred on this establishment's premises either as a percentage of total annual sales or as total annual losses? Total annual value of losses
V468	i30	How Much Of An Obstacle: Crime, Theft And Disorder?	discrete	numeric	Are crime, theft and disorder No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?
V469	k1c	In last FY, % Of Material Inputs Or Services Paid For After Delivery	discrete	numeric	In fiscal year [insert last complete fiscal year], what percent, as a proportion of the value of total annual purchases of material inputs or services, were: Paid for after delivery?
V470	k2c	In last FY, % Of Total Annual Sales Paid For After Delivery	discrete	numeric	In fiscal year [insert last complete fiscal year], what percent of this establishment's total annual sales of its goods or services were: Paid for after delivery?
V471	k3a	% Of Working Capital Financed From Internal Funds/Retained Earnings	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital that was financed from each of the following sources? Internal funds/Retained earnings

ID	Name	Label	Type	Format	Question
V472	k3b	% of Working capital Borrowed from banks private	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital, that is the funds available for day-to-day operations, that was financed from each of the following sources? Borrowed from private banks
V473	k3c	% of Working capital Borrowed from banks state owned	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital, that is the funds available for day-to-day operations, that was financed from each of the following sources? Borrowed from state-owned banks
V474	k3e	% Of Working Capital Borrowed From Non-Bank Financial Institutions	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital that was financed from each of the following sources? Borrowed from non-bank financial institutions
V475	k3f	% Of Working Capital Purchased On Credit/Advances From Suppliers /Customers	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital that was financed from each of the following sources? Purchases on credit from suppliers and advances from customers
V476	k3hd	% Of Working Capital Financed By Other (Money Lenders, Friends, Relatives, Etc)	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital that was financed from each of the following sources? Other (moneylenders, friends, relatives, etc.)
V477	k4	Did This Establishment Purchase Any Fixed Assets In Last Fiscal Yr?	discrete	numeric	In fiscal year [insert last complete fiscal year], did this establishment purchase any fixed assets, such as machinery, vehicles, equipment, land or buildings?
V478	n5a	Total Annual Expenditure For Purchases Of Equipment In Last Fiscal Yr	discrete	numeric	In fiscal year [insert last complete fiscal year], how much did this establishment spend on purchases of: Machinery, vehicles, and equipment (new or used)
V479	n5b	Total Annual Expenditure For Purchases Of Land And Buildings In Last Fiscal Yr	discrete	numeric	In fiscal year [insert last complete fiscal year], how much did this establishment spend on purchases of: Land and buildings

ID	Name	Label	Type	Format	Question
V480	k5a	Last FY, % Fixed Assets Funded By: Internal Funds/Retained Earnings	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources? Internal funds or retained earnings
V481	k5i	Last FY, % Fixed Assets Funded By: Owners' Contributions Or Issued New Equity	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources? Owners' contribution or issued new equity shares
V482	k5b	Last FY, % Fixed Assets Funded By: Bank Borrowing-Private	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources: Borrowed from private banks
V483	k5c	Last FY, % Fixed Assets Funded By: Bank Borrowing-State Owned	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources: Borrowed from state-owned banks
V484	k5e	Last FY, % Fixed Assets Funded By: Non-Bank Financial Institutions	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources? Borrowed from non-bank financial institutions
V485	k5f	Last FY, % Fixed Assets Funded By: Credit From Suppliers/Advances From Customers	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources? Purchases on credit from suppliers and advances from customers
V486	k5hdj	Last FY, % Fixed Assets Funded By: Other (Money Lenders\Friends\Relatives\Etc)	discrete	numeric	Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources: Other (moneylenders, friends, relatives, bonds, commercial papers etc)
V487	MNAk4a	Leasing of fixed assets in last fiscal yr?	discrete	numeric	In fiscal year [insert last complete fiscal year], did this establishment lease any fixed assets, such as machinery, vehicles, equipment, land or buildings?

ID	Name	Label	Type	Format	Question
V488	k6	Does This Establishment Have A Checking And\Or Saving Account?	discrete	numeric	Now let's talk about the establishment's current situation. At this time, does this establishment have a checking or savings account?
V489	k7	At This Time, Does This Establishment Have An Overdraft Facility?	discrete	numeric	At this time, does this establishment have an overdraft facility?
V490	k8	Establishment has A Line Of Credit Or Loan From A Financial Institution?	discrete	numeric	At this time, does this establishment have a line of credit or a loan from a financial institution?
V491	MNAk8c	Reason for not having a line of credit/loan	discrete	numeric	What is the reason for not having a loan or line of credit currently?
V492	MNAk8d	Reason why loan appliaction turned down	discrete	numeric	What was the main reason given when the application was turned down?
V493	k9	Type Of Financial Institution That Granted The Line Of Credit Or Loan	discrete	numeric	Referring to the most recent line of credit or loan, what type of financial institution granted this loan?
V494	k10	Year When The Most Recent Loan/Line Of Credit Approved	discrete	numeric	Referring only to this most recent line of credit or loan, in what year was the most recent line of credit or loan approved?
V495	k11	For The Most Recent Loan, What Was The Value At The Time Of Approval?	discrete	numeric	Referring only to this most recent loan or line of credit, what was its value at the time of approval?
V496	MNAq46f	Currency of the most recent line of credit/loan	discrete	numeric	In what currency is the most recent line of credit or loan denominated?
V497	MNAq46fx	Currency of the most recent line of credit/loan (Other)	discrete	character	In what currency is the most recent line of credit or loan denominated?
V498	MNAq46d	Annual nominal interest rate of the most recent line of credit/loan	discrete	numeric	What is the annual nominal interest rate (in percent) of the most recent line of credit or loan?
V499	MNAq46e	Original duration of the most recent line of credit/loan in months	discrete	numeric	What was the original duration of the most recent line of credit or loan in months?
V500	k13	Financing Required For The Most Recent Line Of Credit Or Loan	discrete	numeric	Referring only to this most recent loan or line of credit, did the financing require collateral?
V501	k14a	Type Of Collateral Required For The Most Recent Loan? Land, Buildings	discrete	numeric	Referring only to this most recent loan or line of credit, what type of collateral was required? Land, buildings under ownership of the establishment
V502	k14b	Type Of Collateral Required For The Most Recent Loan? Equipment	discrete	numeric	Referring only to this most recent loan or line of credit, what type of collateral was required? Machinery and equipment including movables

ID	Name	Label	Type	Format	Question
V503	k14c	Type Of Collateral Required For The Most Recent Loan? Accounts	discrete	numeric	Referring only to this most recent loan or line of credit, what type of collateral was required? Accounts receivable and inventories
V504	k14d	Type Of Collateral Required For The Most Recent Loan? Personal Assets	discrete	numeric	Referring only to this most recent loan or line of credit, what type of collateral was required? Personal assets of owner (house, etc.)
V505	k14e	Type Of Collateral Required For The Most Recent Loan? Other	discrete	numeric	Referring only to this most recent loan or line of credit, what type of collateral was required? Other forms of collateral not included in the categories above
V506	k15a	Value Of Collateral Required For The Most Recent Credit/Loan	discrete	numeric	Referring only to this most recent line of credit or loan, what was the approximate value of the collateral required?
V507	MNAk15a1	Outstanding balance on the most recent line of credit/loan (LCU)	discrete	numeric	What is the outstanding balance on this most recent line of credit or loan?
V508	k15b	Total number of outstanding loans/lines of credit held by this establishment	discrete	numeric	What is the total number of outstanding loans or lines of credit held by this establishment?
V509	k15c	Total value of outstanding loans/lines of credit held by this establishment (LCU)	discrete	numeric	What is the total value of outstanding loans or lines of credit held by this establishment?
V510	k15d	Outstanding personal loans used to finance establishment's business activities?	discrete	numeric	What is the total value of outstanding loans or lines of credit held by this establishment?
V511	k16	In Last Fiscal Yr, Did Establishment Apply For New Loans/Lines Of Credit?	discrete	numeric	Referring again to the last fiscal year [insert last complete fiscal year], did this establishment apply for any loans or lines of credit?
V512	k17	Main Reason For Not Applying For New Loans Or New Lines Of Credit	discrete	numeric	What was the main reason why this establishment did not apply for any line of credit or loan?
V513	k20a	Outcome of the most recent application for line of credit/loan	discrete	numeric	Referring only to this most recent application for a line of credit or loan, what was the outcome of that application?
V514	MNAk20b	Which source of funding was the most important to make up for the partial loan r	discrete	numeric	Referring only to this most recent application for a line of credit or loan, which source of funding was the most important to make up for the partial loan rejection?
V515	MNAk20c	Why did the establishment withdraw its application	discrete	numeric	Referring only to this most recent application for a line of credit or loan, why did this establishment withdraw its application?

ID	Name	Label	Type	Format	Question
V516	k21	Financial Statements Checked & Certified By External Auditor In Last Fiscal Yr?	discrete	numeric	In fiscal year [insert last complete fiscal year], did this establishment have its annual financial statements checked and certified by an external auditor?
V517	k30	How Much Of An Obstacle: Access To Finance	discrete	numeric	Is access to finance, which includes availability and cost, interest rates, fees and collateral requirements, No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?
V518	MNAq31e	Has the establishment been to court as plaintiff or defendant in last 3 yrs	discrete	numeric	Has this establishment been to court as a plaintiff or as a defendant in the last three years?
V519	h7a	The Court System Is Fair, Impartial And Uncorrupted	discrete	numeric	I am going to read some statements that describe the courts system and how it could affect business. For each statement, please tell me if you Strongly disagree, Tend to disagree, Tend to agree, or Strongly agree. "The court system is fair, impartial and uncorrupted."
V520	MNAj1b	The court system is quick	discrete	numeric	I am going to read a few statements describing the court system and how it could affect business. Please tell me if you Strongly disagree, Tend to disagree, Tend to agree, or Strongly agree. "The court system is quick."
V521	MNAj1c	The court system is able to enforce its decisions	discrete	numeric	I am going to read a few statements describing the court system and how it could affect business. Please tell me if you Strongly disagree, Tend to disagree, Tend to agree, or Strongly agree. "The court system is able to enforce its decisions."
V522	MNAj1a	Judicial system will enforce contractual and property rights in business dispute	discrete	numeric	I am going to read a few statements describing the court system and how it could affect business. Please tell me if you Strongly disagree, Tend to disagree, Tend to agree, or Strongly agree. "I'm confident that the court system will enforce this establishment's contractual and property rights in business disputes."

ID	Name	Label	Type	Format	Question
V523	MNAj1d	Govt officials interpretation of regulations are consistent and predictable	discrete	numeric	I am going to read a few statements describing the court system and how it could affect business. Please tell me if you Strongly disagree, Tend to disagree, Tend to agree, or Strongly agree. "In general, government officials' interpretations of regulations affecting this establishment are consistent and predictable."
V524	j2	What % Of Senior Management Time Was Spent In Dealing With Govt Regulations?	discrete	numeric	In a typical week over the last year, what percentage of total senior management's time was spent on dealing with requirements imposed by government regulations? [By senior management I mean managers, directors, and officers above direct supervisors of production/sales workers. Some examples of government regulations are taxes, customs, labor regulations, licensing and registration, including dealings with officials and completing forms]
V525	j3	Over The Last 12 Months, Was This Establishment Inspected By Tax Officials?	discrete	numeric	Over the last year, was this establishment visited or inspected by tax officials?
V526	j4	Frequency Of Inspections/Requirement For Meeting By Tax Officials	discrete	numeric	Over the last year, how many times was this establishment either inspected by tax officials or required to meet with them?
V527	j5	In Any Of These Inspections Was A Gift/Informal payment Requested ?	discrete	numeric	In any of these inspections or meetings was a gift or informal payment expected or requested?
V528	j6a	Government Contract Secured (Or Attempted) In The Last 12 Months?	discrete	numeric	Over the last year, has this establishment secured or attempted to secure a government contract?
V529	j6	% Of Contract Value Avg. Firm Pays In Informal Gifts To Govt To Secure Contract?	discrete	numeric	When establishments like this one do business with the government, what percent of the contract value would be typically paid in informal payments or gifts to secure the contract?
V530	j7a	Percent Of Total Annual Sales Paid In Informal Payments	discrete	numeric	It is said that establishments are sometimes required to make gifts or informal payments to public officials to "get things done" with regard to customs, taxes, licenses, regulations, services etc. On average, what percent of total annual sales, or estimated total annual value, do establishments like this one pay in informal payments or gifts to public officials for this purpose? Percent of total annual sales paid as informal payment

ID	Name	Label	Type	Format	Question
V531	j7b	Total Annual Informal Payment	discrete	numeric	It is said that establishments are sometimes required to make gifts or informal payments to public officials to "get things done" with regard to customs, taxes, licenses, regulations, services etc. On average, what percent of total annual sales, or estimated total annual value, do establishments like this one pay in informal payments or gifts to public officials for this purpose? Total annual informal payment
V532	j10	Application To Obtain An Import License Submitted Over The Last 2 Years?	discrete	numeric	Over the last two years, did this establishment submit an application to obtain an import license?
V533	j11	How Many Days Did It Take To Obtain Your Import License?	discrete	numeric	Approximately how many days did it take to obtain this import license from the day of the application to the day it was granted?
V534	j12	When You Applied For An Import License, Was An Informal Gift/payment Requested?	discrete	numeric	In reference to that application for an import license, was an informal gift or payment expected or requested?
V535	j13	Application To Obtain An Operating License Submitted Over Last 2 Years?	discrete	numeric	Over the last two years, did this establishment submit an application to obtain an operating license?
V536	j14	How Many Days Did It Take To Obtain Your Operating License?	discrete	numeric	Approximately how many days did it take to obtain this operating license from the day of the application to the day it was granted?
V537	j15	When You Applied For Operating License Was An Informal Gift/payment Requested?	discrete	numeric	In reference to that application for an operating license, was an informal gift or payment expected or requested?
V538	j30a	How Much Of An Obstacle: Tax Rates	discrete	numeric	As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment. Tax rates
V539	j30b	How Much Of An Obstacle: Tax Administrations	discrete	numeric	As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment. Tax administration

ID	Name	Label	Type	Format	Question
V540	MNAj31b1	Change in total costs if tax administration no longer an obstacle	discrete	numeric	Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if tax administration is no longer an obstacle?
V541	MNAj31b3	Expected % decrease in total costs - tax administration no obstacle	discrete	numeric	By what percentage would this establishment's total annual costs DECREASE in the next fiscal year?
V542	j30c	How Much Of An Obstacle: Business Licensing And Permits	discrete	numeric	As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment. Business licensing and permits
V543	MNAj31c1	Change in total costs if business licensing and permits no longer an obstacle	discrete	numeric	Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if business licensing and permits are no longer an obstacle?
V544	MNAj31c3	Expected % decrease in total costs - business licensing and permits no obstacle	discrete	numeric	By what percentage would this establishment's total annual costs DECREASE in the next fiscal year?
V545	j30e	How Much Of An Obstacle: Political Instability	discrete	numeric	As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment. Political instability
V546	j30f	How Much Of An Obstacle: Corruption	discrete	numeric	As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment. Corruption
V547	MNAj31f1	Change in total costs if corruption no longer an obstacle	discrete	numeric	Would your total annual costs increase, remain the same or decrease over the next fiscal year if corruption is no longer an obstacle?
V548	MNAj31f3	Expected % decrease in total costs - corruption no obstacle	discrete	numeric	By what percentage would your total annual costs DECREASE in the next fiscal year?

ID	Name	Label	Type	Format	Question
V549	h30	How Much Of An Obstacle: Courts	discrete	numeric	As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment. Courts
V550	MNAj30g	Regulatory Policy Uncertainty	discrete	numeric	Using the response options on the card; To what degree is Regulatory Policy Uncertainty an obstacle to the current operations of this establishment?
V551	l1	Num. Permanent, Full-Time Employees At End Of Last Fiscal Year	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time employees did this establishment employ? Please include all employees and managers
V552	l2	Num. Permanent, Full-Time Employees At End Of 3 Fiscal Years Ago	discrete	numeric	Three fiscal years ago, at the end of fiscal year [insert three complete fiscal years ago], how many permanent, full-time employees did this establishment employ? Please include all employees and managers
V553	l3a	Num. Full-time Employees At End Of Last Fiscal Yr: production workers	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time employees were: Production workers
V554	MNAI3a	Number of production workers under 30 yrs old	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals in this establishment were production workers younger than 30 years old:
V555	l3b	Num. Full-time Employees At End Of Last Fiscal Yr: non-production workers	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time employees were: Non-production workers [e.g., managers, administration, sales]
V556	MNAI3b	Number of non-production workers under 30 yrs old	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals in this establishment were non-production workers younger than 30 years old:
V557	l4a	Num. Full-time Employees At End Of Last Fiscal Yr: Skilled Production Workers	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals working in this establishment were skilled production workers:

ID	Name	Label	Type	Format	Question
V558	I4b	Num. Full-time Employees At End Of Last Fiscal Yr: Unskilled Production Workers	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time employees were: Unskilled production workers
V559	MNAI4	Number of workers under 30 yrs old	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals in this establishment were skilled production workers younger than 30 years old:
V560	MNAI4a	Number of skilled workers under 30 yrs old	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals in this establishment were skilled production workers younger than 30 years old
V561	MNAI4b	Number of unskilled workers under 30 yrs old	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals in this establishment were unskilled production workers younger than 30 years old:
V562	MNAI4c	Did total wage cost of an average permanent full time employee change	discrete	numeric	Over the course of fiscal year [insert last complete fiscal year], did the total wage cost of an average permanent full-time employee
V563	MNAI4d	% increase in total wage cost of an average permanent full time employee	discrete	numeric	Over the course of fiscal year [insert last complete fiscal year], in percentage terms, how much did the total wage cost of an average permanent full-time employee increase?
V564	MNAI4e	% decrease in total wage cost of an average permanent full time employee	discrete	numeric	Over the course of fiscal year [insert last complete fiscal year], in percentage terms, how much did the total wage cost of an average permanent full-time employee decrease?
V565	MNAI4f	Main reason for total wage cost change	discrete	numeric	The main reason for this change was:
V566	MNAI4fx	Main reason for total wage cost change (other)	discrete	character	The main reason for this change was: Other
V567	I5	Num. Full-time Employees At End Of Last Fiscal Yr: female	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent full-time employees of this establishment for the following categories were female?
V568	I5a	Num. Full-time Employees At End Of Last Fiscal Yr: female production workers	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent full-time employees of this establishment for the following categories were female? Female permanent full-time production employees

ID	Name	Label	Type	Format	Question
V569	I5b	Num. Full-time Employees At End Of Last Fiscal Yr: female non-production workers	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many permanent full-time employees of this establishment for the following categories were female? Female permanent full-time non-production employees
V570	MNAI5c	Female permanent full-time professionals number	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many female, permanent, full-time professionals worked in this establishment? (Professional employees are those whose daily responsibilities include work of an intellectual nature and/or managerial responsibilities)
V571	I6	Num. Full-Time Temporary Employees At End Of Last Fiscal Yr	discrete	numeric	How many full-time temporary employees did this establishment employ in fiscal year [insert last complete fiscal year]?
V572	I6a	Female temporary, full-time workers employed throughout last fiscal yr	discrete	numeric	How many full-time temporary employees did this establishment employ throughout year [insert last complete fiscal year]? Female full-time seasonal or temporary workers employed last fiscal year
V573	I8	Avg. Length Of Employment Of All Full-time Temporary Employees In Last Fiscal Yr	discrete	numeric	What was the average length of employment of all full-time temporary employees in fiscal year [insert last complete fiscal year]?
V574	I9a	Average Years Of Education For Typical Production Worker	discrete	numeric	What is the average number of years of education of a typical permanent full-time production worker employed in this establishment? Average number of years of education of typical production worker
V575	I9a2	Average number of yrs of education of typical female production worker	discrete	numeric	What is the average number of years of education of a typical permanent full-time production worker employed in this establishment? Average number of years of education of typical female production worker
V576	MNAI9a1	Number of permanent employees with University degree or higher	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many full-time permanent employees in this establishment had the following as their highest education level?
V577	MNAI9a2	Number of permanent employees with completed secondary (incl. vocational)	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], how many full-time permanent employees in this establishment had the following as their highest education level?

ID	Name	Label	Type	Format	Question
V578	l10	Formal Training Programs For Permanent, Full-time Employees In Last Fiscal Yr	discrete	numeric	Over fiscal year [insert last complete fiscal year], did this establishment have formal training programs for its permanent, full-time employees?
V579	l11a	# Permanent Full-time Production Employees Received Formal Training In Last FY	discrete	numeric	Referring to the training programs run over fiscal year [insert last complete fiscal year], what percent of permanent, full-time employees of the following categories received formal training? Production full-time permanent employees trained
V580	l11b	% Permanent Full-time Production Employees Received Formal Training In Last FY	discrete	numeric	And how many or what percentage of Non-production full-time permanent employees received formal training?
V581	l11c	# Full-time Non-Production Employees Received Formal Training In Last FY	discrete	numeric	And how many or what percentage of Non-production full-time permanent employees received formal training? Non-production full-time permanent employees trained
V582	l11d	% Full-time Non-Production Employees Received Formal Training In Last FY	discrete	numeric	And how many or what percentage of Non-production full-time permanent employees received formal training? Non-production full-time permanent employees trained
V583	l30a	How Much Of An Obstacle: Labor Regulations?	discrete	numeric	Using the response options on the card; To what degree are Labor Regulations an obstacle to the current operations of this establishment?
V584	l30b	How Much Of An Obstacle: Inadequately Educated Workforce?	discrete	numeric	Using the response options on the card; To what degree is an Inadequately Educated Workforce an obstacle to the current operations of this establishment?
V585	m1a	Biggest Obstacle Affecting The Operation Of This Establishment	discrete	numeric	By looking at card [insert card number] can you tell me which of the elements of the business environment included in the list, if any, currently represents the biggest obstacle faced by this establishment
V586	m1d	Rotation Order	discrete	numeric	By looking at card [insert card number] can you tell me which of the elements of the business environment included in the list, if any, currently represents the biggest obstacle faced by this establishment. Rotation
V587	n2a	Total Labor Cost (Incl. Wages, Salaries, Bonuses, Etc) In Last Fiscal Year	discrete	numeric	From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information: Total annual cost of labor (including wages, salaries, bonuses, social security payments)

ID	Name	Label	Type	Format	Question
V588	n2e	Cost Of Raw Materials And Intermediate Goods Used In Prod. In Last Fiscal Year	discrete	numeric	From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information: Total annual cost of raw materials and intermediate goods used in production
V589	n2f	Total Annual Costs Of Fuel In Last Fiscal Year	discrete	numeric	From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information: Total annual costs of fuel
V590	n2b	Total Annual Costs Of Electricity In Last Fiscal Year	discrete	numeric	From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information: Total annual costs of electricity
V591	n2ra	Total rental cost of machinery, vehicles and equipment	discrete	numeric	From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information: Total rental cost of machinery, vehicles and equipment
V592	n2rb	Total rental cost of land and buildings	discrete	numeric	From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information: Total rental cost of land and buildings
V593	n2i	Total Annual Cost Of Finished Goods/Materials Bought To Resell In Last Fiscal Yr	discrete	numeric	From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information: Total annual cost of finished goods/materials bought to resell
V594	n2j	Other Cost Of Production	discrete	numeric	From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information: Other cost of production not included above
V595	n6a	Net Book Value Of Machinery Vehicles, And Equipment In Last Fiscal Year	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], what was the net book value, that is the value of assets after depreciation, of the following: Machinery, vehicles, and equipment
V596	n6b	Net Book Value Of Land And Buildings In Last Fiscal Year	discrete	numeric	At the end of fiscal year [insert last complete fiscal year], what was the net book value, that is the value of assets after depreciation, of the following: Land and buildings

ID	Name	Label	Type	Format	Question
V597	n7a	Cost For Establishment To Re-Purchase All Of Its Machinery	discrete	numeric	Hypothetically, if this establishment were to purchase the assets it uses now, in their current condition, how much would they cost? Machinery, vehicles, and equipment
V598	n7b	Cost For Establishment To Re-Purchase All Of Its Land And Buildings	discrete	numeric	Hypothetically, if this establishment were to purchase the assets it uses now, in their current condition and regardless of whether the establishment owns them or not, how much would they cost, independently of whether they are owned, rented or leased? Land and buildings
V599	MNAAn8a	value of total assets	discrete	numeric	What was the value of the following at the end of the fiscal year [insert last complete fiscal year]: Value of your total assets
V600	MNAa20	Is the top mannger of the establishment also the owner	discrete	numeric	Is the top manager of this establishment also the owner of this establishment?
V601	A15a4	Number of respondents interviewed	discrete	numeric	Information about the respondent for the innovation module
V602	a15a2a	Main Respondent Years Working In The Firm:	discrete	numeric	Information about the respondent for the innovation module
V603	MNAa15a4a	Main respondent's yrs in the position	discrete	numeric	Information about the respondent for the innovation module
V604	a15a3a	Main Respondent Gender	discrete	numeric	Information about the respondent for the innovation module
V605	a15a2b	Second Respondent Years Working In The Firm:	discrete	numeric	Information about the respondent for the innovation module
V606	MNAa15a4b	Second respondent's yrs in the position	discrete	numeric	Information about the respondent for the innovation module
V607	a15a3b	Second Respondent Gender	discrete	numeric	Information about the respondent for the innovation module
V608	a15a2c	Third Respondent Years Working In The Firm:	discrete	numeric	Information about the respondent for the innovation module
V609	MNAa15a4c	Third respondent's yrs in the position	discrete	numeric	Information about the respondent for the innovation module
V610	a15a3c	Third Respondent Gender	discrete	numeric	Information about the respondent for the innovation module
V611	a15a2d	Fourth respondent's yrs with the firm	discrete	numeric	Information about the respondent for the innovation module

ID	Name	Label	Type	Format	Question
V612	MNAa15a4d	Foruth respondent's yrs in the position	discrete	numeric	Information about the respondent for the innovation module
V613	a15a3d	Fourth respondent's gender	discrete	numeric	Information about the respondent for the innovation module
V614	a15d	Day	contin	numeric	Time face-to-face interview ends
V615	a15m	Month	discrete	numeric	Time face-to-face interview ends
V616	a15y	Year	discrete	numeric	Time face-to-face interview ends
V617	a15h	Hour	contin	numeric	Time face-to-face interview ends
V618	a15min	Minutes	contin	numeric	Time face-to-face interview ends
V619	a16	Perception Of The Questions Regarding Opinions And Perceptions	discrete	numeric	It is my perception that the responses to the questions regarding opinions and perceptions:
V620	a17	Responses To The Questions About Figures Are...	discrete	numeric	The responses to the questions regarding figures (productivity and employment numbers):
V621	proceed_refuse_innovation	proceed or refuse to answer innovation module	discrete	numeric	
V622	a23	Mode of questionnaire implementation	discrete	numeric	
V623	a23x	Mode of questionnaire implementation (Other)	discrete	character	
V624	a14id	Time innovation module starts: Day	contin	numeric	
V625	a14im	Time innovation module starts: Month	discrete	numeric	
V626	a14iy	Time innovation module starts: Year	discrete	numeric	
V627	a14ih	Time innovation module starts: Hour	discrete	numeric	
V628	a14imin	Time innovation module starts: Minutes	contin	numeric	
V629	MNAo1a	No. of new/significantly improved products/services introduced over last 3 yrs	discrete	numeric	During the last three years, how many new or significantly improved products did this establishment introduce in the market?
V630	MNAo1bx	Main new/significantly improved product/service	discrete	character	In fiscal year 2012, what was this establishment's main new or significantly improved product, that is, the new or significantly improved product that represented the largest proportion of annual sales (among all new or significantly improved products)?
V631	MNAo2a	Main new /significantly improved product/service new to local market	discrete	numeric	At the time of its introduction, was this establishment's main new or significantly improved product new to...? This establishment's local market
V632	MNAo2b	Main new /significantly improved product/service new to national market	discrete	numeric	At the time of its introduction, was this establishment's main new or significantly improved product new to...? Morocco

ID	Name	Label	Type	Format	Question
V633	MNAo2c	Main new /significantly improved product/service new to international market	discrete	numeric	At the time of its introduction, was this establishment's main new or significantly improved product new to...? International market
V634	MNAo3a	New product/service: Added new functions to existing product/service	discrete	numeric	Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other? New product has added new functions to an existing product
V635	MNAo3b	New product: Uses new materials/components that enhance its performance	discrete	numeric	Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other? New product uses new materials or components that enhance its performance compared to the existing product
V636	MNAo3c	New product: Uses new technology	discrete	numeric	Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other? New product uses new technology
V637	MNAo3d	New product: Looks different from the existing product	discrete	numeric	Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other? New product looks different from the existing product
V638	MNAo3e	New product/service: Completely new to the establishment	discrete	numeric	Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other? New product is completely new to the establishment
V639	MNAo3g	New product/service: More efficient/easier to use	discrete	numeric	Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other?

ID	Name	Label	Type	Format	Question
V640	MNAo3h	New product/service: Cheaper to produce of offer	discrete	numeric	Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other? New product is cheaper to produce compared to the existing product
V641	MNAo3i	New product/service: Completed new function compared to the existing produce	discrete	numeric	Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other? New product has completely new functions compared to the existing product
V642	MNAo3f	New product/service: Other	discrete	numeric	Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other? Other
V643	MNAo3fx	New product/service: Other specified	discrete	character	Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other? Other
V644	MNAo4	% annual sales accounted for by new or significantly improved products/services	discrete	numeric	In fiscal year 2012, what percentage of this establishment's total annual sales was accounted for by products that were introduced or significantly improved over the last three years?
V645	MNAo5	Way in which main new/significantly improved product/service introduced	discrete	numeric	Which of the following best describes the way in which the main new or significantly improved product was introduced or developed?
V646	MNAo5x	Way in which main new/significantly improved product/service introduced (Other)	discrete	character	Which of the following best describes the way in which the main new or significantly improved product was introduced or developed?
V647	MNAhb13a	Reason to introduce - replace an old product	discrete	numeric	Does any of the following describe why this establishment introduced this main new or significantly improved product: To replace an old product sold by this establishment

ID	Name	Label	Type	Format	Question
V648	MNAhb13d	Reason to introduce - extend the range of products	discrete	numeric	Does any of the following describe why this establishment introduced this main new or significantly improved product: To extend the range of products sold by this establishment
V649	MNAhb13e	Reason to introduce - open up new markets	discrete	numeric	Does any of the following describe why this establishment introduced this main new or significantly improved product: To open up new markets or increase market share
V650	MNAhb13f	Reason to introduce - lower the cost	discrete	numeric	Does any of the following describe why this establishment introduced this main new or significantly improved product: To lower the cost of production
V651	MNAhb13g	Reason to introduce - keep up with competition	discrete	numeric	Does any of the following describe why this establishment introduced this main new or significantly improved product: To keep up with competition
V652	MNAhb13h	Reason to introduce - comply with regulation	discrete	numeric	Does any of the following describe why this establishment introduced this main new or significantly improved product: To comply with regulations or standards
V653	MNAhb13i	Reason to introduce - deal with a decrease in the demand	discrete	numeric	Does any of the following describe why this establishment introduced this main new or significantly improved product: To deal with a decrease in the demand for other products
V654	MNAo6	Purchase/license inventions, patent, know-how to offer new product/service?	discrete	numeric	Did the establishment have to purchase or license any inventions, patent or know-how in order to start producing this new or significantly improved product?
V655	hb23	The source of the latest invention, patent or know-how licensed or purchased from	discrete	numeric	Was the latest invention, patent or know-how licensed or purchased from
V656	MNAo7a	Introduced new methods of supplying products/services over last 3 yrs	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved: Production methods
V657	MNAo7b	Introduced new logistics, delivery, distribution methods over last 3 yrs	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved: Logistics, delivery or distribution methods for this establishment's inputs and/or products

ID	Name	Label	Type	Format	Question
V658	MNAo7c	Introduced new ancillary support services over last 3 yrs	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved: Ancillary support services, such as purchasing, accounting, computing and maintenance
V659	MNAo8x	Most important new/significantly improved method of supplying products/services	discrete	character	Please give a short description of this establishment's most important new or significantly improved production or delivery method.
V660	MNAo9a	New method of supplying products/services new to local market	discrete	numeric	At the time of its introduction, was this establishment's main new or significantly improved production or delivery method new to other firms operating: In this establishment's local market
V661	MNAo9b	New method of supplying products/services new to national market	discrete	numeric	At the time of its introduction, was this establishment's main new or significantly improved production or delivery method new to other firms operating: In Morocco
V662	MNAo9c	New method of supplying products/services new to international market	discrete	numeric	At the time of its introduction, was this establishment's main new or significantly improved production or delivery method new to other firms operating: In the international market
V663	MNAo10a	New method of supplying products/services: change in techniques	discrete	numeric	Please compare this main new or significantly improved production or delivery method with the production or delivery method previously used by this establishment. Did it require significant changes in: Techniques
V664	MNAo10b	New method of supplying products/services: change in machinery and equipment	discrete	numeric	Please compare this main new or significantly improved production or delivery method with the production or delivery method previously used by this establishment. Did it require significant changes in: Machinery and equipment
V665	MNAo10c	New method of supplying products/services: change in software	discrete	numeric	Please compare this main new or significantly improved production or delivery method with the production or delivery method previously used by this establishment. Did it require significant changes in: Software
V666	MNAo10d	New method of supplying products/services: management	discrete	numeric	Please compare this main new or significantly improved production or delivery method with the production or delivery method previously used by this establishment. Did it require significant changes in: Management

ID	Name	Label	Type	Format	Question
V667	MNAhc8	Is this method similar to previous ones	discrete	numeric	Is this main new or significantly improved process similar to any process that was or is being used by this establishment?
V668	MNAhc9a	How the main new improved process is different - automates manual process	discrete	numeric	Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original? It automates manual processes, partially or fully
V669	MNAhc9b	How the main new improved process is different - lower costs	discrete	numeric	Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original? It lowers costs compared to the old process
V670	MNAhc9c	How the main new improved process is different - complements new machinery	discrete	numeric	Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original? It complements new machinery
V671	MNAhc9d	How the main new improved process is different - faster	discrete	numeric	Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original? Is it faster than the old process
V672	MNAhc9g	How the main new improved process is different - Other	discrete	numeric	Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original? Other
V673	MNAhc9gx	How the main new improved process is different -Specify	discrete	character	Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original? Other (specify)
V674	MNAo11	Way of intro of main new/significantly improved production/delivery method	discrete	numeric	Which of the following best describes the way in which this establishment introduced or developed the main new or significantly improved production or delivery method?

ID	Name	Label	Type	Format	Question
V675	MNAo11x	Way of intro of main new/significantly improved production/delivery method (Oth)	discrete	character	Which of the following best describes the way in which this establishment introduced or developed the main new or significantly improved production or delivery method?
V676	hc16b	The reason to introduce - raise the quality of products	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To raise the quality of products sold by this establishment
V677	hc16c	The reason to introduce - raise the volume of products or service	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To raise the volume of products sold or services offered
V678	hc16d	The reason to introduce - extend the range of products	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To extend the range of products sold by this establishment
V679	hc16e	The reason to introduce - open up new market or increase the share	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To open up new markets or increase market share
V680	hc16f	The reason to introduce - lower the cost of production	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To lower the cost of production
V681	hc16g	The reason to introduce - keep up with competition	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To keep up with competition
V682	hc16h	The reason to introduce - comply with regulations or standards	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To comply with regulations or standards
V683	hc16j	The reason to introduce - raise flexibility or speed of the production	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To raise the flexibility or speed of production

ID	Name	Label	Type	Format	Question
V684	MNAhc16b	The reason to introduce - raise the quality of products or service	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To raise the quality of products sold or services offered by this establishment
V685	MNAhc16c	The reason to introduce - raise the volume of products or service	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To raise the volume of products sold or services offered
V686	MNAhc16d	The reason to introduce - extend the range of the products or service	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To extend the range of products sold or services offered by this establishment
V687	MNAhc16e	The reason to introduce - open up new market or increase the share	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To open up new markets or increase market share
V688	MNAhc16f	The reason to introduce - lower the cost of offering the service	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To lower the cost of offering services
V689	MNAhc16g	The reason to introduce - keeo with competition	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To keep up with competition
V690	MNAhc16h	The reason to introduce - comply with regulation or standards	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To comply with regulations or standards
V691	MNAhc16j	The reason to introduce - raise the flexibility	discrete	numeric	Does any of the following describe why this establishment introduced the main new or significantly improved process? To raise the flexibility or speed of selling products or offering services
V692	MNAo12	Purchase/license inventions, patent, know-how to apply new process method?	discrete	numeric	Did the establishment have to purchase or license any inventions, patent or know-how in order to apply this new production or delivery method?

ID	Name	Label	Type	Format	Question
V693	MNAo13	Technology compared to the technology of establishment's main competitor	discrete	numeric	Thinking of this establishment's main product line and comparing this establishment's technology with that of its main competitor, which of the following best summarizes your position?
V694	MNAo14a	New knowledge management systems	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time? New knowledge management systems to better use or exchange information, knowledge and skills within the establishment
V695	MNAo14b	Introduction of management systems for general production or supply operations	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time? Introduction of management systems for general production or supply operations (such as supply chain management systems, lean production, business reengineering, quality management systems)
V696	MNAo14c	New methods for distributing responsibilities, decision making among employees	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time? New methods for distributing responsibilities and decision making among employees
V697	MNAo14d	Significant change to the management structure of the establishment	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time? A significant change to the management structure of the establishment (such as creating new divisions or departments, integrating different departments or activities)
V698	MNAo14e	New types of collaborations with businesses, research organisations, consumers	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time? New types of collaborations with other businesses, research organizations or consumers

ID	Name	Label	Type	Format	Question
V699	MNAo14f	Outsourcing, subcontracting of business activities for the first time	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time? Outsourcing or subcontracting of business activities in production, procurement, distribution, recruiting or ancillary services
V700	MNAo15a	Significant changes in the product's appearance	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved marketing methods in the following areas for the first time? Significant changes in the product's appearance
V701	MNAo15b	Introduction of a new method of advertising or product promotion	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved marketing methods in the following areas for the first time? Introduction of a new method of advertising or product promotion (such as use of a new media for advertising, a new brand image or logo, a new trademark)
V702	MNAo15c	Introduction of a new method of product placement or sales channels	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved marketing methods in the following areas for the first time? Introduction of a new method of product placement or sales channels (such as product licensing, franchising, direct selling, exclusive retailing, tailoring or customizing the presentation of the product to different types of customers)
V703	MNAo15d	New pricing strategies to market the establishment's goods or services	discrete	numeric	During the last three years, did this establishment introduce new or significantly improved marketing methods in the following areas for the first time? New pricing strategies to market the establishment's goods or services, excluding pricing methods used solely to differentiate prices by customer segments
V704	MNAo16	Spending on R&D within establishment over last 3 yrs?	discrete	numeric	During the last three years did this establishment spend on research and development activities within the establishment?
V705	MNAo17	Expenditures on R&D within establishment in last fiscal yr (LCU)	discrete	numeric	In fiscal year 2012, how much did this establishment spend on research and development activities performed within this establishment? Please include personnel cost, materials and purchase of fixed assets.

ID	Name	Label	Type	Format	Question
V706	MNAo18	Spending on R&D contracted with other companies over last 3 yrs?	discrete	numeric	During the last three years, did this establishment spend on research and development activities contracted with other companies?
V707	MNAo19	Expenditures on R&D contracted with other companies in last fiscal yr (LCU)	discrete	numeric	In fiscal year 2012, how much did this establishment spend on research and development activities contracted with other companies?
V708	MNAo20	Spending on acquisition of external knowledge over last 3 yrs?	discrete	numeric	During the last three years, did this establishment spend on the acquisition of external knowledge? This includes purchase or licensing of patents and non-patented inventions, know-how and other types of knowledge from other businesses or organizations.
V709	MNAo21	Source of purchase or license of the latest invention, patent or know-how	discrete	numeric	Was the latest invention, patent or know-how licensed or purchased from:
V710	MNAo22a	% of workforce that regularly used PCs in their jobs at end last fiscal yr	discrete	numeric	At the end of fiscal year 2012, what percent of this establishment's workforce regularly used personal computers in their jobs?
V711	MNAo22b	% of workforce that regularly used PCs in their jobs 3 fiscal yrs ago	discrete	numeric	Three fiscal years ago, at the end of fiscal year 2009, what percent of this establishment's workforce regularly used personal computers in their jobs?
V712	MNAo23a	Ever been granted a patent?	discrete	numeric	Has this establishment ever been granted a patent?
V713	MNAo23b	Apply for a patent/trademark over last 3 yrs?	discrete	numeric	During the last three years, did this establishment apply for a patent or a trademark?
V714	MNAo23cx	Country/countries where establishment applied for a patent/trademark	discrete	character	During the last three years, in which country or countries did this establishment apply for a patent or a trademark?
V715	MNAo23d	Granted a patent/trademark over last 3yrs?	discrete	numeric	During the last three years, has this establishment been granted a patent or a trademark?
V716	MNAr1	Dealing with problems in the production process over last fiscal yr	discrete	numeric	Over the last complete fiscal year 2012, what best describes what happened at this establishment when a problem in the production process arose?
V717	MNAr2	Number of production performance indicators monitored over last fiscal yr	discrete	numeric	Over the last complete fiscal year 2012, how many production performance indicators were monitored at this establishment?

ID	Name	Label	Type	Format	Question
V718	MNAr6	Time frame of production targets over last fiscal yr	discrete	numeric	Over the last complete fiscal year 2012, what best describes the time frame of production targets at this establishment? Examples of production targets are: production, quality, efficiency, waste, on-time delivery.
V719	MNAr7	Achievement of production targets over last fiscal yr	discrete	numeric	Over the last complete fiscal year 2012, how easy or difficult was it for this establishment to achieve its production targets?
V720	MNAr8	Awareness of production targets over last fiscal yr	discrete	numeric	Over the last complete fiscal year 2012, who was aware of the production targets at this establishment?
V721	MNAr11	Basis for managers' performance bonuses over last fiscal yr	discrete	numeric	Over the last complete fiscal year 2012, what were managers' performance bonuses usually based on?
V722	MNAr13	Primary way of promoting non-managers over last fiscal yr	discrete	numeric	Over the last complete fiscal year 2012, what was the primary way non-managers were promoted at this establishment?
V723	MNAr15	Reassignment/dismissal of under-performing non-manager over last fiscal yr	discrete	numeric	Over the last complete fiscal year 2012, when was an under-performing non-manager reassigned or dismissed?
V724	a15id	Time innovation module ends: Day	contin	numeric	
V725	a15im	Time innovation module ends: Month	discrete	numeric	
V726	a15iy	Time innovation module ends: Year	discrete	numeric	
V727	a15ih	Time innovation module ends: Hour	contin	numeric	
V728	a15imin	Time innovation module ends: Minutes	contin	numeric	
V729	a24	Innovation module respondent same as main questionnaire respondent?	discrete	numeric	
V730	wstrict	Weight according to strict eligibility	contin	numeric	
V731	wmedian	Weight according to median eligibility	contin	numeric	
V732	wweak	Weight according to weak eligibility	contin	numeric	
V733	strata	group(a2 a4anew a6a panel)	contin	numeric	
V734	V420		contin	numeric	
V735	V421		contin	numeric	
V736	k3bc		contin	numeric	
V737	k5bc		contin	numeric	
V738	l9b		contin	numeric	
V739	id	Interview number	contin	numeric	
V740	V426	a.1a Language	discrete	numeric	
V741	V427	a.2 Sampling Region	discrete	numeric	
V742	V428	a.3a Screener Region	discrete	numeric	
V743	V429	a.3 size of locality	discrete	numeric	

ID	Name	Label	Type	Format	Question
V744	V430	a.4.a Industry Samplig Sector	contin	numeric	
V745	V431	a.4.b Industry Screener Sector	contin	numeric	
V746	a7	a.7 Est. part of a large firm	discrete	numeric	
V747	V433	a.7a Number of Establishments that the firm have in Yemen	contin	numeric	
V748	YEa7b	YEa7b Any outlets in other countries?	discrete	numeric	
V749	V435	a.8 Type of Est.	discrete	numeric	
V750	V436	a.9 Est. FS separate from HQ's	discrete	numeric	
V751	V437	a.10 Est. FS separate from other est.	discrete	numeric	
V752	V438	a.11 If HQ, FS independent of the rest of est.	discrete	numeric	
V753	V439	a.12 Interviewer Number	contin	numeric	
V754	a13	a.13 Supervisor Number	discrete	numeric	
V755	YEb3	YEb3 describe the largest shareholder or owner in the firm?	discrete	numeric	
V756	YEb7b	YEb7b Educational qualification of Top Manager?	discrete	numeric	
V757	YEc10	What was the generator's original cost to your establishment in YR?	contin	numeric	
V758	YEc18a	Loss as percentage of total annual sales due to insufficient water supply	contin	numeric	
V759	YEc18b	Annual losses due to insufficient water supply	contin	numeric	
V760	c19	Over the last two years, did this establishment submit an application to obtain	discrete	numeric	
V761	c20	In reference to that application for a telephone connection, approximately how m	contin	numeric	
V762	c21	In reference to that application for a telephone connection, was an informal gif	discrete	numeric	
V763	c23	Does this establishment have a high-speed Internet connection on its premises?	discrete	numeric	
V764	c24b	Make purchases for this establishment	discrete	numeric	
V765	c24c	Deliver services to this establishment's clients	discrete	numeric	
V766	c24d	Do research and develop ideas on new products and services	discrete	numeric	
V767	c29	The majority of cell phones used for the operations of the establishment are?	discrete	numeric	
V768	YEc31	Is your establishment a member of a business association or chamber of commerce?	discrete	numeric	
V769	YEc32	Which of the following is the most influential on new government laws or regulat	discrete	numeric	
V770	YEd2b1	Government and public sector establishments	contin	numeric	
V771	YEd2b2	Large domestic private firms	contin	numeric	

ID	Name	Label	Type	Format	Question
V772	YEd2b3	Other	contin	numeric	
V773	YEd15	In fiscal year 2009, when this establishment imported goods directly, was an inf	discrete	numeric	
V774	e2	In fiscal year 2009, for the main market in which this establishment sold its ma	discrete	numeric	
V775	e7a	Does this establishment have any patents registered abroad?	discrete	numeric	
V776	e7b	Does this establishment have any patents registered in Yemen?	discrete	numeric	
V777	YEe14a	Regarding capacity, what are your establishment's intentions over the next two y	discrete	numeric	
V778	YEe14b	By how much does this establishment expect to change capacity?	contin	numeric	
V779	YEe15a	Developed a new product line	discrete	numeric	
V780	YEe15b	Upgraded an existing product line	discrete	numeric	
V781	YEe15c	Obtained a new licensing agreement	discrete	numeric	
V782	YEg1	Who is the owner of the land in which this firm operates?	discrete	numeric	
V783	YEg2	Regarding the land that is owned, how was it acquired?	discrete	numeric	
V784	YEg3	Is there an ownership title?	discrete	numeric	
V785	YEg4	Did a land dispute take place recently?	discrete	numeric	
V786	YEg5	Regarding the latest land dispute, how long did it take to be resolved?	discrete	numeric	
V787	YEg6	How was the dispute ended?	discrete	numeric	
V788	g7	In the last three years, has this establishment acquired or attempted to acquire	discrete	numeric	
V789	g8a	In the last three years, has this establishment been successful in acquiring lan	discrete	numeric	
V790	k1a	Paid for before the delivery? - as a proportion of the value of total annual pur	contin	numeric	
V791	k1b	Paid for on delivery? - as a proportion of the value of total annual purchases o	contin	numeric	
V792	k2a	Paid for before the delivery? - as percentage of total annual sales of its goods	contin	numeric	
V793	k2b	Paid for on delivery? - as percentage of total annual sales of its goods or serv	contin	numeric	
V794	YEk1	On average over the last year, what percent of these sales were not paid within	contin	numeric	
V795	YEk3	Over the last two years, what percent of your establishment's disputes over over	contin	numeric	
V796	YEk4	Over the last two years, on average, how many months did those court cases take	contin	numeric	
V797	YEk5	Were the majority of the decisions of the court, whether in your favor or not, e	discrete	numeric	

ID	Name	Label	Type	Format	Question
V798	YEK30a	Is Cost of financing a obstacle (scale 0-4) to the current operations of this es	discrete	numeric	
V799	YEj2a	Percentage of total sales would you estimate the typical establishment in your s	contin	numeric	
V800	YEj2b	Percentage of total workforce that is reported for purposes of payroll taxes and	contin	numeric	
V801	YEj8a1	Number of times - Labor and social security	contin	numeric	
V802	YEj8b1	Informal gift or payment - Labor and social security	discrete	numeric	
V803	YEj8a2	Number of times - Fire and building safety	contin	numeric	
V804	YEj8b2	Informal gift or payment - Fire and building safety	discrete	numeric	
V805	YEj8a3	Number of times - Sanitation/epidemiology/environmental	contin	numeric	
V806	YEj8b3	Informal gift or payment - Sanitation/epidemiology/environmental	discrete	numeric	
V807	YEj8a4	Number of times - Municipal police	contin	numeric	
V808	YEj8b4	Informal gift or payment - Municipal police	discrete	numeric	
V809	YEj8a5	Number of times - Total, all agencies	contin	numeric	
V810	YEI5	Within the next 2 years do you expect your establishment to:	discrete	numeric	
V811	YEI8	At the end of fiscal year 2009, how many full-time temporary employees in this e	contin	numeric	
V812	YEI9b1	Female- Percentage of full time permanent workers who completed university educa	contin	numeric	
V813	YEI9b2	Male- Percentage of full time permanent workers who completed university educati	contin	numeric	
V814	YEI9b3	Female- Percentage of full time permanent workers who completed secondary educat	contin	numeric	
V815	YEI9b4	Male- Percentage of full time permanent workers who completed secondary educatio	contin	numeric	
V816	YEI9b5	Female- Percentage of full time permanent workers who completed primary educatio	contin	numeric	
V817	YEI9b6	Male- Percentage of full time permanent workers who completed primary education?	contin	numeric	
V818	YEI9b7	Female- Percentage of full time permanent workers who did not complete primary e	contin	numeric	
V819	YEI9b8	Male- Percentage of full time permanent workers who did not complete primary edu	contin	numeric	
V820	YEI13	How many of your permanent skilled, professional, or managerial workers are fore	contin	numeric	

<b>ID</b>	<b>Name</b>	<b>Label</b>	<b>Type</b>	<b>Format</b>	<b>Question</b>
V821	YEI14a	How many weeks did it take to fill your most recent vacancy through external rec	contin	numeric	
V822	YEI14b	How many weeks did it take to fill your most recent vacancy through external rec	contin	numeric	
V823	YEI14c	How many weeks did it take to fill your most recent vacancy through external rec	contin	numeric	
V824	a15a3	main respondent's gender	discrete	numeric	
V825	a15b3	second respondent's gender	discrete	numeric	
V826	a18	This questionnaire was completed in:	discrete	numeric	
V827	a19h	If option 2 or 3 in A.18, estimate duration of the whole interview:Hour	discrete	numeric	
V828	a19m	If option 2 or 3 in A.18, estimate duration of the whole interview:Minutes	contin	numeric	



## WEB STD FIRMIID (idstd)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 830
Format: numeric	Invalid: 0
Width: 6	Minimum: 468901
Decimals: 0	Maximum: 559176
Range: 468901-559176	Mean: 507357
	Standard deviation: 44453.2

## ID number 2013 survey (id\_2013)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 353
Format: numeric	Invalid: 477
Width: 9	Minimum: 110100101
Decimals: 0	Maximum: 630318701
Range: 110100101-630318701	Mean: 284379509
	Standard deviation: 181440729.7

## (idPANEL2010)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 616
Format: numeric	Invalid: 214
Width: 6	Minimum: 3409
Decimals: 0	Maximum: 289419
Range: 3409-289419	Mean: 139128.9
	Standard deviation: 87038.1

## (country)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 830
Format: character	Invalid: 0
Width: 5	

## Year of survey (year)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: 2010-2013	

## Panel: Firm interviewed in these years (panel)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-4	

## ELIGIBILITY of 2010 firm (eligibility2010)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 477
Format: character	
Width: 101	

## phoneid (phoneid)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 353
Format: numeric	Invalid: 477
Width: 10	Minimum: 6100000095
Decimals: 0	Maximum: 6110016402
Range: 6100000095-6110016402	Mean: 6103889794.7
	Standard deviation: 4879469.4

## Questionnaire (a0)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-3	

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Interviewer instructions

Questionnaire used in the interview. It is defined according to the screener sector of activity of the establishment

## Country Code (a1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 3	
Decimals: 0	
Range: 38-150	

## Country Code (a1)

File: Yemen\_2010\_2013\_Panel

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

## Language Of The Interview (a1a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete

Format: character

Width: 6

Valid cases: 353

Invalid: 0

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

## Sampling Region (a2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete

Format: numeric

Width: 1

Decimals: 0

Range: 1-6

Valid cases: 353

Invalid: 477

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Interviewer instructions

Sampling region defines the region stratum of the establishment

It is defined by the regional classification of the establishment in the sample frame

## Region Of The Establishment (a3a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete

Format: numeric

Width: 1

Decimals: 0

Range: 1-7

Valid cases: 353

Invalid: 477

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Interviewer instructions

Codification of a3x into regions of homogeneous regulation and or business environment conditions, for ex. into regional clusters

## is this city the official capital city? (a3b)

File: Yemen\_2010\_2013\_Panel

### Overview

## is this city the official capital city? (a3b)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 353  
Invalid: 477

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Literal question

Is this city the official capital city?

## is this city the main business city? (a3c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 353  
Invalid: 477

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Literal question

Is this city the main business city?

## Size Of Locality (a3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-5

Valid cases: 353  
Invalid: 477

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Interviewer instructions

Location control variable: it is defined by the actual location of the establishment

## Industry Sampling Sector (a4a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-3

Valid cases: 353  
Invalid: 477

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Interviewer instructions

## Industry Sampling Sector (a4a)

File: Yemen\_2010\_2013\_Panel

Classification of the establishment's activity as defined in the sample frame

## Industry Screener Sector (a4b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 2	
Decimals: 0	
Range: -9-99	

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Interviewer instructions

Classification of the establishment's activity as defined by the screener questionnaire

## Sector Match Between Screener Information And Sample Frame (a5)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-3	

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Literal question

Sector match between screener information and sample frame

## Sampling Size (a6a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 0-3	

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Interviewer instructions

Size of the establishment taken from the sample frame

## Screeners Size (a6b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-3	

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Interviewer instructions

Size of the establishment as determined with the screener questionnaire

## Number Of Establishments In The Firm (a7a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 1	
Decimals: 0	
Range: 1-2	

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Literal question

Number of establishments that form the firm

## Organization headquarter or subsidiary (a7b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 159
Format: numeric	Invalid: 671
Width: 1	
Decimals: 0	
Range: 1-2	

## Number of establishments that form the firm (a7c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 159
Format: numeric	Invalid: 671
Width: 2	Minimum: 0
Decimals: 0	Maximum: 50
Range: 0-50	Mean: 4.8
	Standard deviation: 6.2

## Type Of Establishment (a8)

File: Yemen\_2010\_2013\_Panel

## Type Of Establishment (a8)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 171
Format: numeric	Invalid: 659
Width: 2	
Decimals: 0	
Range: -7-4	

#### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

#### Literal question

Type of establishment

#### Interviewer instructions

Identifies type of establishment for those that are part of larger firms

## Establishment's Financial Statements Prepared Separately from HQ Statements (a9)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 42
Format: numeric	Invalid: 788
Width: 2	
Decimals: 0	
Range: -7-2	

#### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

#### Literal question

Are establishment's financial statements prepared separately from HQ's statements?

#### Interviewer instructions

Information taken from the screener questionnaire

## Establishment's Financial Statements Separate from Other Establishments (a10)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 28
Format: numeric	Invalid: 802
Width: 2	
Decimals: 0	
Range: -7-2	

#### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

#### Literal question

Are establishment's financial statements prepared separately from other establishments of the same firm?

#### Interviewer instructions

Information taken from the screener questionnaire

## If HQ, Financial Statements Independent Of The Rest Of Establishment (a11)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 129
Format: numeric	Invalid: 701
Width: 2	
Decimals: 0	
Range: -7-2	

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Literal question

If HQ, are financial statements independent from the rest of establishments?

### Interviewer instructions

Information taken from the screener questionnaire

## How Many Establishments Are Included In The Financial Statements? (a11a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 145
Format: numeric	Invalid: 685
Width: 2	Minimum: 0
Decimals: 0	Maximum: 50
Range: 0-50	Mean: 4.2
	Standard deviation: 6.4

## Interviewer Number (a12)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 343
Format: character	Invalid: 0
Width: 16	

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Literal question

Interviewer code

### Interviewer instructions

Information taken from the screener questionnaire

## Day (a14d)

File: Yemen\_2010\_2013\_Panel

### Overview

## Day (a14d)

### File: Yemen\_2010\_2013\_Panel

Type: Continuous	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 31
Range: 1-31	Mean: 15.4
	Standard deviation: 9.7

#### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

#### Literal question

Date face-to-face interview begins:  
Day (dd)

## Month (a14m)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-12	

#### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

#### Literal question

Date face-to-face interview begins:  
Month (mm)

## Year (a14y)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: 2010-2014	

#### Literal question

Date face-to-face interview begins:  
Year (yyyy)

## Hour (a14h)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 6-22	

#### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

## Hour (a14h)

File: Yemen\_2010\_2013\_Panel

### Literal question

Time face-to-face interview begins:

Hour (00 to 23)

## Minutes (a14min)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	Minimum: 0
Decimals: 0	Maximum: 59
Range: 0-59	Mean: 25.1
	Standard deviation: 17.5

### Pre question

CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

### Literal question

Time face-to-face interview begins:

Minutes (00 to 59)

## Legal Status of the Firm (b1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-6	

### Pre question

1) READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING. The goal of this survey is to gather information and opinions about the investment climate in this country. Ultimately, the information gathered here will help to develop new policies and programs that enhance employment and economic growth. The information obtained here will be held in the strictest confidentiality. Neither your name nor the name of your business will be used in any document based on this survey.

2) READ OUT THE FOLLOWING INTRODUCTORY SENTENCE ONLY IF A7 = 1 (yes): The first few questions apply to the firm which your establishment is part of.

3) SHOW CARD

### Literal question

What is this firm's current legal status?

### Post question

If answer is 3 then SKIP TO B.2

### Interviewer instructions

## Legal Status of the Firm (b1)

### File: Yemen\_2010\_2013\_Panel

A firm's legal status is information well known for the target respondent: CEO, General Manager or owner of the firm. ENUMERATORS DO NOT NEED TO KNOW THE DEFINITION OF EACH TYPE OF LEGAL STATUS.

A firm's legal status is first determined by whether participation on ownership is by shares (first 2 options) or not (options 3 and 4). The fifth option is a combination of the previous ones.

If a firm's shares are publicly traded, it is a shareholding company with shares traded in the stock market. If the shares are not traded or they are traded only privately it is a shareholding company with shares traded privately. A shareholding company with shares traded privately is a firm that is owned by partners or shareholders for whom their claims over the firm are not publicly traded. They may or may not be traded privately. In both of these categories firms have limited liability.

A sole proprietorship is a business owned and operated by one individual natural person. A natural person is a real human being, as opposed to an artificial legal entity such as a corporation or organization that the law treats for some purposes as if it were a person distinct from its members or owner(s).

A firm's legal status defines the extent of the liability which defines the level of responsibility of the owner over the firm's obligations. Under limited liability each owner is only responsible for the proportion of his/her shares.

A partnership allows two or more people to share profits and liabilities, with or without privately held shares. In a partnership, the parties could be individuals, corporations, trusts, other partnerships, or a combination of all of the above. The essential characteristic of this partnership is the unlimited liability of every partner.

Limited partnership is a legal form that includes one or several general partners and one or more limited partners who invest capital into the partnership, but do not take part in the daily operation or management of the business. The limited partners limit their amount of liability to the amount of capital invested in the partnership. The general partners personally shoulder all debts and obligations of the partnership. Business operations are governed, unless otherwise specified in a written agreement, by majority vote of voting partners. Limited liability partnerships are separate legal entities that provide liability protection for all general partners as well as management rights in the business.

Cooperatives and state owned firms should be designated as Other. When other is chosen, the actual form of legal status must be specified in writing by the enumerator on the survey instrument.

## Other (Specify) (b1x)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: character  
Width: 37

Valid cases: 7  
Invalid: 0

#### Literal question

What is this firm's current legal status?  
Other

#### Interviewer instructions

## Other (Specify) (b1x)

### File: Yemen\_2010\_2013\_Panel

A firm's legal status is information well known for the target respondent: CEO, General Manager or owner of the firm. ENUMERATORS DO NOT NEED TO KNOW THE DEFINITION OF EACH TYPE OF LEGAL STATUS.

A firm's legal status is first determined by whether participation on ownership is by shares (first 2 options) or not (options 3 and 4). The fifth option is a combination of the previous ones.

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Cooperatives and state owned firms should be designated as Other. When other is chosen, the actual form of legal status must be specified in writing by the enumerator on the survey instrument.

## What Percentage Of This Firm Does The Largest Owner(s) Own? (b3)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 511  
Invalid: 319

#### Literal question

What percent of this firm does the largest owner or owners own?

## % owned by Private Domestic Individuals, Companies Or Organizations (b2a)

### File: Yemen\_2010\_2013\_Panel

#### Overview

## % owned by Private Domestic Individuals, Companies Or Organizations (b2a)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

SHOW CARD

### Literal question

What percent of this firm is owned by each of the following:  
Private domestic individuals, companies or organizations

### Interviewer instructions

1) Foreign ownership refers to the nationality of the owners. If the primary owner is a foreign national resident in the country, it is still a foreign owned firm. If the owner is another company or institution owned by individuals who are foreign nationals, then it is foreign owned.

Domestic owners are nationals of the country in which the establishment is located. (Follow the same rule for companies.)

A firm that is a subsidiary of a government-owned firm should be considered government-owned.

Firms that operate under a franchise agreement should be classified according to the nationality of those awarded the franchise.

2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## % owned by Private Foreign Individuals, Companies Or Organizations (b2b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

SHOW CARD

### Literal question

What percent of this firm is owned by each of the following:  
Private foreign individuals, companies or organizations

### Interviewer instructions

1) Foreign ownership refers to the nationality of the owners. If the primary owner is a foreign national resident in the country, it is still a foreign owned firm. If the owner is another company or institution owned by individuals who are foreign nationals, then it is foreign owned.

Domestic owners are nationals of the country in which the establishment is located. (Follow the same rule for companies.)

A firm that is a subsidiary of a government-owned firm should be considered government-owned.

Firms that operate under a franchise agreement should be classified according to the nationality of those awarded the franchise.

2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## % owned by Government/State (b2c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-90

Valid cases: 830  
Invalid: 0

### Pre question

SHOW CARD

### Literal question

What percent of this firm is owned by each of the following:  
Government/State

### Post question

IF 100% TERMINATE

### Interviewer instructions

1) Foreign ownership refers to the nationality of the owners. If the primary owner is a foreign national resident in the country, it is still a foreign owned firm. If the owner is another company or institution owned by individuals who are foreign nationals, then it is foreign owned.

Domestic owners are nationals of the country in which the establishment is located. (Follow the same rule for companies.)

A firm that is a subsidiary of a government-owned firm should be considered government-owned.

Firms that operate under a franchise agreement should be classified according to the nationality of those awarded the franchise.

2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## % owned by Other (b2d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

SHOW CARD

### Literal question

What percent of this firm is owned by each of the following:  
Other

### Interviewer instructions

1) Foreign ownership refers to the nationality of the owners. If the primary owner is a foreign national resident in the country, it is still a foreign owned firm. If the owner is another company or institution owned by individuals who are foreign nationals, then it is foreign owned.

Domestic owners are nationals of the country in which the establishment is located. (Follow the same rule for companies.)

A firm that is a subsidiary of a government-owned firm should be considered government-owned.

Firms that operate under a franchise agreement should be classified according to the nationality of those awarded the franchise.

2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## Is the Principal owner a female? (MNAb4a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Is the principal owner, or one of the principal owners, a female? (The principal owner is the person or persons with the largest ownership share)

## Amongst the owners of the firm, are there any females? (b4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Amongst the owners of the firm, are there any females?

## % of the firm owned by females (b4a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 39
Format: numeric	Invalid: 791
Width: 3	
Decimals: 0	
Range: -9-100	

### Literal question

What percentage of the firm is owned by females?

## How was the firm established? (MNAq5)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 2	
Decimals: 0	
Range: -9-6	

### Literal question

How was this firm established?

## How was the firm established (Other) (MNAq5x)

File: Yemen\_2010\_2013\_Panel

## How was the firm established (Other) (MNAq5x)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: character  
Width: 70

Valid cases: 2  
Invalid: 0

### Literal question

How was this firm established?

## Year Establishment Began Operations (b5)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: -9-2012

Valid cases: 830  
Invalid: 0

### Pre question

READ ONLY IF A7=1 (yes)  
I want to proceed by asking you about this establishment only.

### Literal question

In what year did this establishment begin operations?

### Post question

INTERVIEWER: PROVIDE FOUR DIGITS FOR YEAR

### Interviewer instructions

The objective of this question is to obtain the year in which operations started regardless of who was the owner at the time.

The year when the establishment began operation refers to the year in which the establishment actually started producing (or providing services), not to the year in which it was registered for the first time.

If the establishment was privatized, then the date provided should refer to when the original government-owned establishment began operations.

If the establishment changed its production significantly to change sector classification, then the year when that took place should be provided.

## Number Of Full-Time Employees Of The Establishment When It Started Operations (b6)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: -9-1500

Valid cases: 830  
Invalid: 0

### Literal question

How many full-time employees did this establishment employ when it started operations? Please include all employees and managers

### Interviewer instructions

The number of permanent, full-time employees for the time that the enterprise began operations should be provided. All employees and managers (including respondent) should be included.

## Was Establishment Formally Registered When It Began Operations? (b6a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Was this establishment formally registered when it began operations?

### Interviewer instructions

Registering refer to registration with the national registry (public or private).  
If and only if the respondent asks what formal registration means explain that it's when the establishment registered with: XXXXXXX "Ministry or department"

## In What Year Was This Establishment Formally Registered? (b6b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: -9-2012	

### Literal question

In what year was this establishment formally registered?

### Post question

INTERVIEWER: PROVIDE FOUR DIGITS FOR YEAR.

### Interviewer instructions

Year of registration refers to the year in which the establishment completed the registration as explained in B.6a.

## How Many Years Of Experience Working In This Sector Does The Top Manager Have? (b7)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-70	

### Literal question

How many years of experience working in this sector does the Top Manager have?

### Interviewer instructions

Top Manager as defined in B.7a. B.7 refers to years of Top Manager's managerial experience in the type of sector in which the establishment presently operates.

## Is The Top Manager Female? (b7a)

File: Yemen\_2010\_2013\_Panel

## Is The Top Manager Female? (b7a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Is the Top Manager female?

## Highest level of Top Manager education (MNAb7b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 2	
Decimals: 0	
Range: -9-5	

### Literal question

What is the highest level of education completed by the Top Manager?

## Does Establishment Have An Internationally-Recognized Quality Certification? (b8)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Does this establishment have an internationally-recognized quality certification?

### Post question

INTERVIEWER: If there is need for clarification, some examples are: ISO 9000, 9002 or 14000

### Interviewer instructions

The question refers exclusively to internationally recognized certifications. Examples are: ISO (International Organization for Standardization) for manufacturing and services, HACCP (Hazard Analysis and Critical Control Point) for food (especially, but not exclusively, for seafood and juices), and AATCC (American Association of Textiles Chemists and Colorists) for textiles.

Certificates granted only nationally not recognized in international markets are not included.

## Application To Obtain An electrical connection Submitted Over The Last 2 Years (c3)

File: Yemen\_2010\_2013\_Panel

### Overview

## Application To Obtain An electrical connection Submitted Over The Last 2 Years (c3)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 830  
Invalid: 0

### Pre question

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING. Now, we turn to the establishment's operations in fiscal year [insert last complete fiscal year].

### Literal question

Over the last two years, did this establishment submit an application to obtain an electrical connection?

### Post question

If answer is No or Don't Know then GO TO QUESTION C.6

### Interviewer instructions

Application for electrical connection.  
Electrical connection refers to a new connection or to an increase in voltage of an existing connection that requires an application.

## How Many Days Did It Take For You To Receive An Electrical Connection Service? (c4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: -9-2920

Valid cases: 57  
Invalid: 773

### Literal question

In reference to that application for an electrical connection, approximately how many days did it take to obtain it from the day of the application to the day the service was received?

### Interviewer instructions

Wait for electrical connection. Self-explanatory

## Informal Gift/Payment Expected Or Requested For An Electrical Connection? (c5)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 57  
Invalid: 773

### Literal question

In reference to that application for an electrical connection, was an informal gift or payment expected or requested?

### Interviewer instructions

- 1) Bribe for electrical connection. Self-explanatory
- 2) Sensitive question, no clarification can be offered

## Over last FY, Did This Establishment Experience Power Outages? (c6)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Over fiscal year [insert last complete fiscal year], did this establishment experience power outages?

### Post question

If answer is No or Don't Know GO TO QUESTION C.10

### Interviewer instructions

A power outage occurs when there is equipment malfunction from the failure of adequate supply of power. Blackouts that cause some, but not all equipment to malfunction are also considered power outages.

## Number Of Power Outages Experienced In A Typical Month In Last Fiscal Year (c7)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 734
Format: numeric	Invalid: 96
Width: 3	
Decimals: 0	
Range: -9-300	

### Literal question

In a typical month, over fiscal year [insert last complete fiscal year], how many power outages did this establishment experience?

### Interviewer instructions

If power outages are seasonal the interviewer should ask the respondent to calculate the number of outages in a typical month, excluding both the months in which outages are most frequent and the months where outages are most infrequent. The concept of a typical month must be well understood since it is used several times throughout the questionnaire: it is the most common type of month in the year regarding the characteristic being asked. Thus, for answers such as "electrical outages once every 3 months" in a typical month there are 0 outages (since there will be outages only in 4 months of the year and in the rest 8 months there will be no outages). For the answer "once every other month" write 1 since there will be 6 months with outages and 6 months without them.

## How Long Did The Average Power Outage Last? (c8)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 724
Format: numeric	Invalid: 106
Width: 2	
Decimals: 0	
Range: -9-90	

### Literal question

How long did these power outages last on average?

### Interviewer instructions

This refers to the duration of the power outages in a typical month. The respondent should calculate average duration of power outages in the typical month.

## In last FY, losses as % of annual sales due to power outages (c9a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 584  
Invalid: 246

### Literal question

Please estimate the losses that resulted from power outages either as a percentage of total annual sales or as total annual losses.

Loss as percent of total annual sales due to power outages

### Post question

PROVIDE EITHER ONE OR THE OTHER, NOT BOTH c9a or c9b

### Interviewer instructions

Losses because of power outages: The Manager should estimate the amount of production lost because of power outages.

## In last FY, value of losses due to power outages (c9b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 9  
Decimals: 0  
Range: -9-160000000

Valid cases: 150  
Invalid: 680

### Literal question

Please estimate the losses that resulted from power outages either as a percentage of total annual sales or as total annual losses.

Annual losses due to power outages

### Post question

PROVIDE EITHER ONE OR THE OTHER, NOT BOTH c9a or c9b

### Interviewer instructions

Losses because of power outages: The Manager should estimate the amount of production lost because of power outages.

## Generator Shared Or Owned Over The Course Of Last Fiscal Year? (c10)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 830  
Invalid: 0

### Literal question

Over the course of fiscal year [insert last complete fiscal year], did this establishment own or share a generator?

### Post question

If answer is No or Don't Know then GO TO QUESTION C.12

### Interviewer instructions

Establishment owns or shares a generator. Self-explanatory

## % Electricity From Generator Owned/Shared By The Establishment In Last Fiscal Yr (c11)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 435
Format: numeric	Invalid: 395
Width: 3	
Decimals: 0	
Range: -9-100	

### Literal question

In fiscal year [insert last complete fiscal year], what percent of this establishment's electricity came from a generator or generators that the establishment owned or shared?

### Interviewer instructions

Percentage of electricity from own or shared generator. Self-explanatory

## Application To Obtain A Water Connection Submitted Over The Last 2 Years (c12)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Over the last two years, did this establishment submit an application to obtain a water connection?

### Post question

If answer is No or Don't Know then GO TO QUESTION C.15

### Interviewer instructions

Application for water connection. Self-explanatory

## How Many Days Did It Take For You To Obtain A Water Connection? (c13)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 41
Format: numeric	Invalid: 789
Width: 3	
Decimals: 0	
Range: -9-900	

### Literal question

In reference to that application for a water connection, approximately how many days did it take to obtain it from the day of the application to the day the service was received?

### Interviewer instructions

Wait for water connection. Self-explanatory

## When You Applied For A Water Connection, Was An Informal Gift/payment Requested? (c14)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 41  
Invalid: 789

### Literal question

In reference to that application for a water connection, was an informal gift or payment expected or requested?

### Interviewer instructions

- 1) Bribe for water connection. Self-explanatory
- 2) Sensitive question, no clarification can be offered.

## Did You Experience Insufficient Water Supply For Production In Last Fiscal Yr? (c15)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 373  
Invalid: 457

### Literal question

Over fiscal year [insert last complete fiscal year], did this establishment experience insufficient water supply for production?

### Interviewer instructions

Insufficient water supply: whenever there is equipment failure or cessation of production operations due to the lack of or reduction in water supply.

## Frequency Of Incidents Of Water Shortages In A Typical Month In Last Fiscal Yr (c16)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-240

Valid cases: 97  
Invalid: 733

### Literal question

In a typical month, over fiscal year [insert last complete fiscal year], how many incidents of insufficient water supply did this establishment experience?

### Interviewer instructions

Incidents of insufficient water supply per month can be estimated by considering the number of times water insufficiencies took place per month. The respondent should be asked to exclude months when water insufficiencies are rare or months when water insufficiencies are extreme from the calculation. The calculation should be made based on a typical month. Zero is the answer only if no insufficiencies occurred in a typical month.

## Average Length Of Water Shortages (Affecting Production) In Last Fiscal Year (c17)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-96

Valid cases: 71  
Invalid: 759

### Literal question

How long did these incidents of insufficient water supply last on average?

### Interviewer instructions

Duration of a water shortage can be estimated by considering the average duration of water insufficiencies that took place in a typical month.

## % Of Water Supply (Used In Production) From Public Sources In Last Fiscal Year (c18)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 139  
Invalid: 691

### Literal question

In fiscal year [insert last complete fiscal year], what percentage of this establishment's water supply, used in the production process, was from the following?

Water from public sources

## % of water supply from own or shared well (MNAc18a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 97  
Invalid: 733

### Literal question

In fiscal year [insert last complete fiscal year], what percentage of this establishment's water supply, used in the production process, was from the following?

Your own well or shared well

## % of water supply purchased from private vendors (MNAc18b)

File: Yemen\_2010\_2013\_Panel

### Overview

## % of water supply purchased from private vendors (MNAc18b)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 97  
Invalid: 733

### Literal question

In fiscal year [insert last complete fiscal year], what percentage of this establishment's water supply, used in the production process, was from the following?  
Purchased from private vendors

## % of water supply from other (MNAc18c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 97  
Invalid: 733

### Literal question

In fiscal year [insert last complete fiscal year], what percentage of this establishment's water supply, used in the production process, was from the following? Other

## Do You Currently Communicate With Clients And Suppliers By E-Mail? (c22a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 830  
Invalid: 0

### Literal question

At the present time, does this establishment use e-mail to communicate with clients or suppliers?

### Interviewer instructions

E-mail and website use.

Web page should be considered as part of the website.

Website use includes cases when the establishment has its own website but does not actually do any direct communication with clients or suppliers via the website.

## Establishment has its own website (c22b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 830  
Invalid: 0

### Literal question

## Establishment has its own website (c22b)

File: Yemen\_2010\_2013\_Panel

At the present time, does this establishment use its own website?

### Interviewer instructions

E-mail and website use.

Web page should be considered as part of the website.

Website use includes cases when the establishment has its own website but does not actually do any direct communication with clients or suppliers via the website.

## Cell phones used in operations of the establishment (c28)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete

Format: numeric

Width: 2

Decimals: 0

Range: -9-2

Valid cases: 830

Invalid: 0

### Literal question

Does this establishment currently use cell phones for the operations of the establishment?

### Post question

If answer is No or Do Not Know then GO TO QUESTION C.30

## How Much Of An Obstacle: Electricity To Operations Of This Establishment? (c30a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete

Format: numeric

Width: 2

Decimals: 0

Range: -9-4

Valid cases: 830

Invalid: 0

### Pre question

SHOW CARD

### Literal question

Is electricity No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?

### Interviewer instructions

1)The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).

2) Sensitive question, no clarification can be offered.

## Change in total costs if electricity no longer an obstacle (MNAc31a1)

File: Yemen\_2010\_2013\_Panel

### Overview

## Change in total costs if electricity no longer an obstacle (MNAc31a1)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-3

Valid cases: 338  
Invalid: 492

### Literal question

Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if electricity is no longer an obstacle?

## Expected % decrease in total costs - electricity no obstacle (MNAc31a3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-98

Valid cases: 228  
Invalid: 602

### Pre question

Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if electricity is no longer an obstacle?

### Literal question

By what percentage would this establishment's total annual costs DECREASE in the next fiscal year?

## How Much Of An Obstacle: Telecommunications To Operations Of This Establishment? (c30b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 444  
Invalid: 386

### Pre question

SHOW CARD

### Literal question

Is Telecommunications No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?

### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered.

## Main Product/Service (By The Largest % Of Annual Sales) In Last Fiscal Year (d1a1x)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete

Valid cases: 830

Format: character

Width: 113

### Pre question

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING: The next topic to be covered is how and where this establishment makes its sales.

### Literal question

In fiscal year [insert last complete fiscal year], what was this establishment's main product, that is, the product that represented the largest proportion of annual sales (in LCU)?

### Interviewer instructions

Establishment's main product The purpose of this question is to determine what the company produces. The description should be written down exactly as provided by the respondent.

The main product is defined in terms of sales in monetary value not volume.

## First Product/Service Isic Code (d1a2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous

Valid cases: 830

Format: numeric

Invalid: 0

Width: 4

Minimum: 452

Decimals: 0

Maximum: 6420

Range: 452-6420

Mean: 3942.5

Standard deviation: 1558.9

### Pre question

INTERVIEWER: THE FOLLOWING QUESTION IS NOT PART OF THE INTERVIEW. IT WILL BE FILLED OUT IN THE OFFICE.

### Literal question

PLEASE CHOOSE THE 4-DIGIT ISIC REV 3.1 CODE THAT BEST APPLIES TO THE ESTABLISHMENT'S MAIN ACTIVITY AND PRODUCT.

### Interviewer instructions

Categorize the products according to standard industry classification codes. The enumerator should show the respondent the list of codes that correspond to the products identified to ensure agreement with the categorization. The respondent should be directed to look at the card only after he has provided the answer to D.1a1.

It may be that all major products fall into one category or that the establishment has only one main product. If the respondent does not know the code, the enumerator should write the sector and look for the corresponding code in the list of codes before submitting the completed questionnaire.

For the codes use United Nations ISIC Rev.3.1.

## First Product/Service, Percent Of Total Annual Sales (d1a3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete

Valid cases: 830

Format: numeric

Invalid: 0

Width: 3

Decimals: 0

Range: -9-100

### Literal question

What percentage of total sales does the main product represent?

## First Product/Service, Percent Of Total Annual Sales (d1a3)

File: Yemen\_2010\_2013\_Panel

### Interviewer instructions

The main product is defined in terms of sales in monetary value not volume.

## In Last Fiscal Year, What Were This Establishment'S Total Annual Sales? (d2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: -9-468576000000

Valid cases: 830  
Invalid: 0

### Literal question

In fiscal year [insert last complete fiscal year], what were this establishment's total annual sales?

### Interviewer instructions

Total sales include the value of all annual sales counting manufactured goods and goods the establishment has bought for trading. For ex. if an establishment makes blue jeans and also imports blue jeans for resale, total sales is the value of all blue jeans sold, both produced and imported. Revenue or receipts for all services rendered and any sales of merchandise for the year, even if the payment may have been received at a later date, are included in total sales.

## What Were the Establishment Sales 3 years ago (FY 2009) (n3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: -9-716536000000

Valid cases: 830  
Invalid: 0

### Literal question

In fiscal year [insert three complete fiscal years ago], three fiscal years ago, what were total annual sales for this establishment?

### Interviewer instructions

Total sales three complete fiscal years ago include the value of all annual sales counting manufactured goods and goods the establishment has bought for trading. If an establishment makes blue jeans and also imports blue jeans for resale, total sales is the value of all blue jeans sold, both produced and imported. Revenue or receipts for all services rendered and any sales of merchandise for the year even though payment may have been received at a later date are included in total sales. Firms operating on a commission basis should report commissions, fees, and other operating income, not gross billings or sales.

## % of sales: National sales (d3a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

## % of sales: National sales (d3a)

File: Yemen\_2010\_2013\_Panel

### Pre question

- 1) SHOW CARD
- 2) INTERVIEWER: THESE MUST BE ASKED IN THE ORDER THEY APPEAR ON THE TABLE

### Literal question

In fiscal year [insert last complete fiscal year], what percent of this establishment's sales were:  
National sales

### Post question

IF 100, GO TO QUESTION D.10

### Interviewer instructions

- 1) Where sales are made. The purpose of this question is to determine where the establishment's customers are located.

Domestic sales are when goods or services are sold inside the borders of the country.

An indirect export is when the manufacturer sells its goods to a trader or another agent who then exports the product without modifications. Products that the manager knows are smuggled abroad should be counted as indirect exports.

Direct export is the sale of goods where the immediate recipient is outside the borders of the country.

- 2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## % o sales: Indirect exports (d3b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

- 1) SHOW CARD
- 2) INTERVIEWER: THESE MUST BE ASKED IN THE ORDER THEY APPEAR ON THE TABLE

### Literal question

In fiscal year [insert last complete fiscal year], what percent of this establishment's sales were:  
Indirect exports (sold domestically to third party that exports products)

### Post question

IF 100, GO TO QUESTION D.8

### Interviewer instructions

- 1) Where sales are made. The purpose of this question is to determine where the establishment's customers are located.

Domestic sales are when goods or services are sold inside the borders of the country.

An indirect export is when the manufacturer sells its goods to a trader or another agent who then exports the product without modifications. Products that the manager knows are smuggled abroad should be counted as indirect exports.

Direct export is the sale of goods where the immediate recipient is outside the borders of the country.

- 2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## % of sales: Direct exports (d3c)

File: Yemen\_2010\_2013\_Panel

### Overview

## % of sales: Direct exports (d3c)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Literal question

In fiscal year [insert last complete fiscal year], what percentage of this establishment's sales were:  
Direct exports

## In last FY, avg. num. of days for exported goods to clear customs? (d4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-45

Valid cases: 40  
Invalid: 790

### Literal question

In fiscal year [insert last complete fiscal year], when this establishment exported goods directly, how many days did it take on average from the time this establishment's goods arrived at their main point of exit (e.g., port, airport) until the time these goods cleared customs?

### Interviewer instructions

Clearing customs for direct exports. The purpose of this question is to determine the efficiency of customs in clearing goods for export.

Main point of exit is the last domestic location (e.g. port, border crossing, airport, or internal custom) from which the goods leave the country.

Whenever different ports of exit are used this question refers to the port where "most goods" exit defined in terms of consignment value (not physical units).

Goods cleared customs They refer to the time it takes to obtain all clearances required from the moment the goods arrived at their point of exit until the moment they satisfy the requirements of the clearance procedures at the customs office. This includes transit procedures.

Average number of days to clear customs. Prompt the respondent to think of all shipments sent to the main point of exit and estimate an average time it took from the time the shipments arrived to the time they left that point of exit.

## In last FY, Export Losses Due To Theft As % Of value of products (d6)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-5

Valid cases: 40  
Invalid: 790

### Literal question

In fiscal year [insert last complete fiscal year], what percent of the consignment value of the products exported directly was lost while in transit because of theft?

## In last FY, Export Losses Due To Breakage Or Spoilage As % Of value of products (d7)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-15

Valid cases: 40  
Invalid: 790

### Literal question

In fiscal year [insert last complete fiscal year], what percent of the consignment value of the products exported directly was lost while in transit because of breakage or spoilage?

## In What Year Did This Establishment First Export Directly Or Indirectly? (d8)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: -9-2011

Valid cases: 94  
Invalid: 736

### Literal question

In which year did this establishment first export directly or indirectly?

### Interviewer instructions

First exported directly or indirectly. The purpose of this question is self-explanatory.

## In last FY, % of value of products lost in transit due to theft (d10)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-35

Valid cases: 593  
Invalid: 237

### Literal question

In fiscal year [insert last complete fiscal year], what percent of the consignment value of products this establishment shipped to supply domestic markets was lost while in transit because of theft?

## Main country of destination for this establishment's exports (MNAd7x)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: character  
Width: 73

Valid cases: 50  
Invalid: 0

### Literal question

## Main country of destination for this establishment's exports (MNAd7x)

File: Yemen\_2010\_2013\_Panel

In fiscal year [insert last complete fiscal year], what percentage of the value of the products exported directly was lost while in transit because of breakage or spoilage?

## In last FY, % of value of products lost in transit due to breakage or spoilage? (d11)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 593  
Invalid: 237

### Literal question

In fiscal year [insert last complete fiscal year], what percent of the consignment value of products this establishment shipped to supply domestic markets was lost while in transit because of breakage or spoilage?

## % Of Material Inputs And Supplies Of Domestic Origin In Last Fiscal Year (d12a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 373  
Invalid: 457

### Pre question

SHOW CARD

### Literal question

In fiscal year [insert last complete fiscal year], as a proportion of all of the material inputs or supplies purchased that year, what percent of this establishment's material inputs or supplies were:  
Material inputs or supplies of domestic origin

### Interviewer instructions

1) The purpose of this question is to determine from where the inputs for production are obtained and purchased.

The calculation is done as a percent of all purchases of supplies and inputs purchased by the establishment for the fiscal year.

Inputs are materials that go through a mechanical, physical, or chemical transformation that will ultimately make up some portion of the final good produced. Lumber in a furniture factory is a good example of an input.

Supplies are materials or products that are used, expended, consumed, but will not comprise the final good produced. Pencils and writing paper are good examples of a supply.

2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## % Of Material Inputs And Supplies Of Foreign Origin In Last Fiscal Year (d12b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 373
Format: numeric	Invalid: 457
Width: 3	
Decimals: 0	
Range: -9-100	

### Literal question

In fiscal year [insert last complete fiscal year], as a proportion of all material inputs or supplies purchased that year, what percentage of this establishment's material inputs or supplies were:  
Material inputs or supplies of foreign origin

## Were Any Of These Material Inputs And Supplies Imported Directly? (d13)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 187
Format: numeric	Invalid: 643
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Were any of the material inputs or supplies purchased in fiscal year [insert last complete fiscal year], imported directly?

### Post question

If answer is No or Don't Know then GO TO QUESTION D.16

### Interviewer instructions

The purpose of this question is to determine if the establishment has any interaction with customs when importing inputs and other materials.

## Avg. num. of Days For Imported Goods To Clear Customs In Last Fiscal Year (d14)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 103
Format: numeric	Invalid: 727
Width: 2	
Decimals: 0	
Range: -9-90	

### Literal question

In fiscal year [insert last complete fiscal year], when this establishment imported material inputs or supplies, how many days did it take on average from the time these goods arrived to their point of entry (e.g. port, airport) until the time these goods could be claimed from customs?

### Interviewer instructions

## Avg. num. of Days For Imported Goods To Clear Customs In Last Fiscal Year (d14)

File: Yemen\_2010\_2013\_Panel

The purpose of these questions is to measure the efficiency of customs clearance of imports.

Goods cleared customs includes all clearances required from the moment the goods arrived at their point of entry (e.g., port, airport) until the moment they satisfy the requirement of the clearance procedures at the customs office and can be picked up. It does not include time spent on transportation to reach the point of entry.

Average number of days to clear customs. Prompt respondent to think of various shipments destined to the establishment that originated from abroad, and to estimate an average of the time it took when the shipment arrived to the country's point of entry to the time the establishment was allowed to claim them and begin domestic transport.

## Longest number of days to clear customs in last fiscal yr (direct import) (MNAd14b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-360

Valid cases: 103  
Invalid: 727

### Literal question

In fiscal year [insert last complete fiscal year], when this establishment imported material inputs or supplies, what was the longest number of days that it took from the time these goods arrived to their point of entry (e.g. port, airport) until the time these goods could be claimed from customs?

## Avg. days of inventory of most important input kept by establishment (d16)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-365

Valid cases: 373  
Invalid: 457

### Literal question

At the present time, when this establishment receives delivery of its most important input, on average, how many days of inventory, measured in days of production, does this establishment keep?

### Post question

INTERVIEWER: IF RESPONDENT REQUIRES CLARIFICATION, DEFINE AS STOCK ON HAND

### Interviewer instructions

Days of inventory of main input. The purpose of this question is to assess the efficiency in the supply chain. When firms have to maintain a high level of stock, because they cannot rely on a predictable supply of inputs, this is a source of economic inefficiency. Inversely, if supplies of the main input can be relied upon to be easily available, firms will keep low levels of stock on hand.

The main input is the input that accounts for the highest value among all inputs. It is not the input for which stock is maintained the longest. For example, if a company makes shirts, the most important input is the cloth, not the buttons and thread, though the establishment may actually keep a 90 day supply of buttons on hand and only a 30 day stock of cloth.

Days of inventory should be calculated as the number of days of normal production capacity before running out of stock.

## Avg. days of inventory of main sales item kept by establishment (d17)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 197
Format: numeric	Invalid: 633
Width: 3	
Decimals: 0	
Range: -9-360	

### Literal question

At the present time, when this establishment receives its main sales item, on average, how many days of inventory measured in days of sales, does this establishment keep?

### Post question

INTERVIEWER: IF RESPONDENT REQUIRES CLARIFICATION, DEFINE AS STOCK ON HAND

### Interviewer instructions

Days of inventory of main sales item The purpose of this question is to assess the efficiency in the supply chain. When firms have to maintain a high level of sales items in stock, because they cannot rely on a predictable supply, this is a source of economic inefficiency. Inversely, if supplies of the main sales can be relied upon to be easily available, firms will keep low levels of stock on hand.

The main sales item is the item that accounts for the highest percentage of sales among all items that the establishment sells. It is not the item for which stock is maintained the longest.

Days of inventory should be calculated as how many days it would take, under normal sales conditions, to deplete the main sales item held in supply at the establishment's premises.

## How Much Of An Obstacle: Transport? (d30a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-4	

### Pre question

SHOW CARD

### Literal question

Using the response options on the card; To what degree is Transport an obstacle to the current operations of this establishment?

### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## How Much Of An Obstacle: Customs And Trade Regulations? (d30b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-4	

## How Much Of An Obstacle: Customs And Trade Regulations? (d30b)

File: Yemen\_2010\_2013\_Panel

### Pre question

SHOW CARD

### Literal question

Using the response options on the card; To what degree is Customs and Trade Regulation an obstacle to the current operations of this establishment?

### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## Change in total costs if customs and trade regulations are no longer an obstacle (MNAd31b1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-3

Valid cases: 220  
Invalid: 610

### Literal question

Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if customs and trade regulations are no longer an obstacle?

## Expected % decrease in total costs - customs and trade regulations no obstacle (MNAd31b3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-90

Valid cases: 133  
Invalid: 697

### Pre question

Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if customs and trade regulations are no longer an obstacle?

### Literal question

By what percentage would this establishment's total annual costs DECREASE in the next fiscal year?

## In last FY, main market for establishment's main product (e1)

File: Yemen\_2010\_2013\_Panel

### Overview

## In last FY, main market for establishment's main product (e1)

### File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-3

Valid cases: 597  
Invalid: 233

#### Literal question

In fiscal year [insert last complete fiscal year], which of the following was the main market in which this establishment sold its main product?

#### Post question

If answer is 3, 4 or Don't Know then GO TO QUESTION E.6

#### Interviewer instructions

1) The purpose of this question is to get the establishment to define what it considers to be its main market.

The main product is defined by the output that generates the highest proportion of sales. The establishment's main market is defined by the market that generates the most sales for the main product as defined above.

It could be the case that an establishment's main product is sold in smaller proportions in a greater number of markets and that the main product is never the greatest total annual share of revenue in any one market. For example, 51 percent of revenue comes from selling nails, but that is distributed equally in the local, national, and international markets, 33 percent in each. Bolts make up 49 percent of total annual revenues. However, half of the revenue for bolts comes from selling in the international market and half in the local market.

It is clear that bolts sell more in its respective market with respect to nails, but does not generate as much revenue as nails do for the establishment. In such a case, nails should be used as the main product. Whenever local, national and international markets have equal shares choose the national market and do not follow the skip pattern.

2) SHOW CARD

## In main market, number of competitors faced by establishment's main product (e2b)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 331  
Invalid: 499

#### Literal question

In fiscal year [insert last complete fiscal year], for the main market in which this establishment sold its main product, how many competitors did this establishment's main product face?

## Pressure from domestic competitors (MNAe3a)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 606  
Invalid: 224

#### Pre question

SHOW CARD

#### Literal question

## Pressure from domestic competitors (MNAe3a)

File: Yemen\_2010\_2013\_Panel

How important are each of the following influences on this establishment to reduce the production costs of existing products and/or to develop new products on a scale of 1 to 4, 1 being "Not at all important" and 4 being "Very important".

## Pressure from foreign competitors (MNAe3b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 606
Format: numeric	Invalid: 224
Width: 2	
Decimals: 0	
Range: -9-4	

### Literal question

How important are each of the following influences on this establishment to reduce the production costs of existing products and/or to develop new products on a scale of 1 to 4, 1 being "Not at all important" and 4 being "Very important".  
Pressure from foreign competitors

## Do You Use Technology Licensed From A Foreign-Owned Company? (e6)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 597
Format: numeric	Invalid: 233
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Does this establishment at present use technology licensed from a foreign-owned company, excluding office software?

### Interviewer instructions

Technology licensed from a foreign owned company: it measures access to foreign technology. The license may be held by the establishment's parent company. The answer is "no" if the establishment uses foreign technology without a license or a formal agreement.

## Does This Establishment Compete Against Unregistered Or Informal Firms? (e11)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Does this establishment compete against unregistered or informal firms?

### Interviewer instructions

- 1) Competition from unregistered or informal firms
- 2) Sensitive question, no clarification can be offered

## National, regional, local government or EU subsidies over last 3 yrs? (MNAq53)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 353  
Invalid: 477

### Literal question

Over the last three years has this establishment received any subsidies from the national, regional or local governments or European Union sources?

## How Much Of An Obstacle: Practices of competitors in informal sector? (e30)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 830  
Invalid: 0

### Pre question

SHOW CARD

### Literal question

Are practices of competitors in the informal sector No Obstacle, a Minor Obstacle, a Moderate Obstacle, Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?

### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## Biggest obstacle faced by establishment from competitors (MNAe20)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-7

Valid cases: 353  
Invalid: 477

### Literal question

By looking at card [insert card number] can you tell me which of the practices of your competitors included in the list, if any, currently represents the biggest obstacle faced by this establishment

## New or signif. improved product introduced in last three years? (h1)

File: Yemen\_2010\_2013\_Panel

## New or signif. improved product introduced in last three years? (h1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 353  
Invalid: 477

### Pre question

And now we switch to a different topic. In this section "new" means new to the establishment but not necessarily new to the market.

### Literal question

In the last three years, has this establishment introduced new products or services?

### Post question

If answer is No or Don't Know, GO TO QUESTION H.3

### Interviewer instructions

INTERVIEWER: SHOW CARDS IN THIS SECTION CONTAIN EXAMPLES OF INNOVATIONS. THEY ARE MEANT AS EXAMPLES ONLY - THEY DO NOT CONTAIN ALL POSSIBLE INNOVATIONS.  
INTERVIEWER: PLEASE WRITE THE RESPONSES BELOW AS WELL AS COPY THEM TO THE DECISION MATRIX.

## New or signif. improved product also new to the establishment's main market? (h2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 144  
Invalid: 686

### Literal question

Was the new product or service also new for the establishment's main market?

### Interviewer instructions

INTERVIEWER: SHOW CARDS IN THIS SECTION CONTAIN EXAMPLES OF INNOVATIONS. THEY ARE MEANT AS EXAMPLES ONLY - THEY DO NOT CONTAIN ALL POSSIBLE INNOVATIONS.  
INTERVIEWER: PLEASE WRITE THE RESPONSES BELOW AS WELL AS COPY THEM TO THE DECISION MATRIX.

## New or sig. impvd method of manf product or offering services in last 3 years? (h3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 353  
Invalid: 477

### Pre question

SHOW CARD

### Literal question

## New or sig. impvd method of manf product or offering services in last 3 years? (h3)

File: Yemen\_2010\_2013\_Panel

In the last three years, has this establishment introduced any new or significantly improved methods of manufacturing products or offering services?

### Interviewer instructions

INTERVIEWER: SHOW CARDS IN THIS SECTION CONTAIN EXAMPLES OF INNOVATIONS. THEY ARE MEANT AS EXAMPLES ONLY - THEY DO NOT CONTAIN ALL POSSIBLE INNOVATIONS.

INTERVIEWER: PLEASE WRITE THE RESPONSES BELOW AS WELL AS COPY THEM TO THE DECISION MATRIX.

## New method for input, products, or service introduced over last 3 yrs (h4a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 353  
Invalid: 477

### Literal question

During the last three years, has this establishment introduced any new or significantly improved logistics, delivery, or distribution methods for inputs, products, or services?

### Interviewer instructions

INTERVIEWER: SHOW CARDS IN THIS SECTION CONTAIN EXAMPLES OF INNOVATIONS. THEY ARE MEANT AS EXAMPLES ONLY - THEY DO NOT CONTAIN ALL POSSIBLE INNOVATIONS.

INTERVIEWER: PLEASE WRITE THE RESPONSES BELOW AS WELL AS COPY THEM TO THE DECISION MATRIX.

## New supporting activities for process introduced over last 3 yrs (h4b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 353  
Invalid: 477

### Literal question

During the last three years, has this establishment introduced any new or significantly improved supporting activities for your processes, such as maintenance systems or operations for purchasing, accounting, or computing?

### Interviewer instructions

INTERVIEWER: SHOW CARDS IN THIS SECTION CONTAIN EXAMPLES OF INNOVATIONS. THEY ARE MEANT AS EXAMPLES ONLY - THEY DO NOT CONTAIN ALL POSSIBLE INNOVATIONS.

INTERVIEWER: PLEASE WRITE THE RESPONSES BELOW AS WELL AS COPY THEM TO THE DECISION MATRIX.

## New or sig. impvd organizational structure introduced in last 3 years? (h5)

File: Yemen\_2010\_2013\_Panel

## New or sig. impvd organizational structure introduced in last 3 years? (h5)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 353  
Invalid: 477

### Pre question

SHOW CARD

### Literal question

During the last three years, has this establishment introduced any new or significantly improved organizational structures or management practices?

### Interviewer instructions

INTERVIEWER: SHOW CARDS IN THIS SECTION CONTAIN EXAMPLES OF INNOVATIONS. THEY ARE MEANT AS EXAMPLES ONLY - THEY DO NOT CONTAIN ALL POSSIBLE INNOVATIONS.  
INTERVIEWER: PLEASE WRITE THE RESPONSES BELOW AS WELL AS COPY THEM TO THE DECISION MATRIX.

## New or signif. improved marketing method introduced in last three years? (h6)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 353  
Invalid: 477

### Pre question

SHOW CARD

### Literal question

During the last three years, has this establishment introduced new or significantly improved marketing methods?

### Interviewer instructions

INTERVIEWER: SHOW CARDS IN THIS SECTION CONTAIN EXAMPLES OF INNOVATIONS. THEY ARE MEANT AS EXAMPLES ONLY - THEY DO NOT CONTAIN ALL POSSIBLE INNOVATIONS.  
INTERVIEWER: PLEASE WRITE THE RESPONSES BELOW AS WELL AS COPY THEM TO THE DECISION MATRIX.

## During the last three years, did establ. spend on formal R&D activities? (h7)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 353  
Invalid: 477

### Pre question

SHOW CARD

### Literal question

## During the last three years, did establ. spend on formal R&D activities? (h7)

File: Yemen\_2010\_2013\_Panel

During the last three years, did this establishment spend on formal research and development activities, either in-house or contracted with other companies?

### Interviewer instructions

INTERVIEWER: SHOW CARDS IN THIS SECTION CONTAIN EXAMPLES OF INNOVATIONS. THEY ARE MEANT AS EXAMPLES ONLY - THEY DO NOT CONTAIN ALL POSSIBLE INNOVATIONS.

INTERVIEWER: PLEASE WRITE THE RESPONSES BELOW AS WELL AS COPY THEM TO THE DECISION MATRIX.

## During the last 3 years, did establ. give employees time to develop new idea? (h8)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 353  
Invalid: 477

### Literal question

During the last three years, did this establishment give employees some time to develop or try out a new approach or new idea about products or services, business process, firm management, or marketing?

### Interviewer instructions

INTERVIEWER: SHOW CARDS IN THIS SECTION CONTAIN EXAMPLES OF INNOVATIONS. THEY ARE MEANT AS EXAMPLES ONLY - THEY DO NOT CONTAIN ALL POSSIBLE INNOVATIONS.

INTERVIEWER: PLEASE WRITE THE RESPONSES BELOW AS WELL AS COPY THEM TO THE DECISION MATRIX.

## In last FY, What Was The Capacity Utilization (%) Of This Establishment? (f1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 373  
Invalid: 457

### Literal question

In fiscal year [insert last complete fiscal year], what was this establishment's output produced as a proportion of the maximum output possible if using all facilities available (capacity utilization)?

### Interviewer instructions

A capacity utilization estimate should be compared to a full production capacity capability.

This question only references the production facility and not the administrative offices.

Full production capacity is the maximum level of production that this establishment could reasonably expect to attain during regular working hours, and under normal and realistic operating conditions fully utilizing the machinery, equipment and employees in place.

## Number Of Hours Per Week Operated By The Establishment In Last Fiscal Year (f2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 373
Format: numeric	Invalid: 457
Width: 3	
Decimals: 0	
Range: -9-168	

### Literal question

In fiscal year [insert last complete fiscal year], how many hours per week did this establishment normally operate?

### Interviewer instructions

Hours per week of operation are the hours per week in which machines and employees are engaged in some type of mechanical, physical, or chemical transformation of materials into new products or in which the assembly of components into new products takes place, including maintenance.

This question only references the production facility and not the administrative offices.

## Planns to increase size of the establishment (MNAf3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Are you planning to increase the production capacity and/or volume of sales of this establishment over the next year?

## Satisfied with current size of esbalishtment? (MNAf4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 40
Format: numeric	Invalid: 790
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Are you satisfied with the current production capacity and/or volume of sales of this establishment?

## Satisfied because no more growth potential (MNAf5a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 13
Format: numeric	Invalid: 817
Width: 2	
Decimals: 0	
Range: -9-2	

### Pre question

## Satisfied because no more growth potential (MNAf5a)

File: Yemen\_2010\_2013\_Panel

INTERVIEWER: READ OUT

### Literal question

What are the reasons for you being satisfied with the current production capacity and/or volume of sales of this establishment?

## Satisfied so to avoid increased regulatory burden (MNAf5b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 13  
Invalid: 817

### Pre question

INTERVIEWER: READ OUT

### Literal question

What are the reasons for you being satisfied with the current production capacity and/or volume of sales of this establishment?

## Satisfied so to avoid shareholder dispersion (MNAf5c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 13  
Invalid: 817

### Pre question

INTERVIEWER: READ OUT

### Literal question

What are the reasons for you being satisfied with the current production capacity and/or volume of sales of this establishment?

## Content with current workload (MNAf5d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 13  
Invalid: 817

### Pre question

INTERVIEWER: READ OUT

### Literal question

What are the reasons for you being satisfied with the current production capacity and/or volume of sales of this establishment?

## Percentage Of The Building Occupied: Owned By This Establishment (g6a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

SHOW CARD

### Literal question

Of the buildings occupied by this establishment, what percent is owned and what percent is rented or leased?  
Owned by this establishment

### Interviewer instructions

- 1) If establishment occupies several buildings the percentages should be computed for the summation of buildings.
- 2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## Percentage Of The Building Occupied: Leased or Rented By This Establishment (g6b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

SHOW CARD

### Literal question

Of the buildings occupied by this establishment, what percent is owned and what percent is rented or leased?  
Rented or leased by this establishment

### Interviewer instructions

- 1) If establishment occupies several buildings the percentages should be computed for the summation of buildings.
- 2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## Percentage Of The Building Occupied: Other (g6c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

SHOW CARD

### Literal question

Of the buildings occupied by this establishment, what percent is owned and what percent is rented or leased? Other

### Interviewer instructions

## Percentage Of The Building Occupied: Other (g6c)

File: Yemen\_2010\_2013\_Panel

- 1) If establishment occupies several buildings the percentages should be computed for the summation of buildings.
- 2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## Percentage Of The Land Occupied: Owned By This Establishment (g1a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

- 1) READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING: The next topic to be covered is about the land.
- 2) INTERVIEWER: SHOW CARD

### Literal question

Of the land occupied by this establishment, what percent is:  
Owned by this establishment

## Percentage Of The Land Occupied: Rented Or Leased By This Establishment (g1b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

INTERVIEWER: SHOW CARD

### Literal question

Of the land occupied by this establishment, what percent is:  
Rented or Leased by this establishment

## Percentage Of The Land Occupied: Other (g1c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

INTERVIEWER: SHOW CARD

### Literal question

## Percentage Of The Land Occupied: Other (g1c)

File: Yemen\_2010\_2013\_Panel

Of the land occupied by this establishment, what percent is:  
Other

## Applic. To Obtain A Construction-Related Permit Submitted Over The Last 2 Years (g2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 830  
Invalid: 0

### Literal question

Over the last two years, did this establishment submit an application to obtain a construction-related permit?

### Post question

If answer is No or Don't Know then GO TO QUESTION G.30

### Interviewer instructions

Application for construction permit. Self-explanatory

## How Many Days Did It Take For You To Obtain A Construction-Related Permit? (g3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-360

Valid cases: 87  
Invalid: 743

### Literal question

In reference to that application for a construction-related permit, approximately how many days did it take to obtain it from the day of the application to the day the permit was granted?

### Interviewer instructions

Waiting time for construction permit. Self-explanatory

## Informal Gift/Payment Expected Or Requested For A Construction-Related Permit (g4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 87  
Invalid: 743

### Literal question

In reference to that application for a construction-related permit, was an informal gift or payment expected or requested?

## Informal Gift/Payment Expected Or Requested For A Construction-Related Permit (g4)

File: Yemen\_2010\_2013\_Panel

### Interviewer instructions

- 1) Bribe for construction permit. Self-explanatory
- 2) Sensitive question, no clarification can be offered

## What Is The Total Selling Area In This Establishment? (g5a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 6  
Decimals: 0  
Range: -9-800142

Valid cases: 141  
Invalid: 689

### Literal question

What is the total selling area of this establishment?

### Interviewer instructions

Total selling area refers to the space where sales take place. It does not include warehouses. Whenever the establishment is composed of several locations the selling areas of each location should be added.

## The Area Is Measured In: (g5b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 137  
Invalid: 693

### Literal question

What is the total selling area of this establishment?

### Interviewer instructions

Total selling area refers to the space where sales take place. It does not include warehouses. Whenever the establishment is composed of several locations the selling areas of each location should be added.

## Specify Other Units (If Not Included Above) The Area Is Measured In (g5bx)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: character  
Width: 43

Valid cases: 11  
Invalid: 0

### Literal question

What is the total selling area of this establishment?

### Post question

SPECIFY UNITS  
Other

## Specify Other Units (If Not Included Above) The Area Is Measured In (g5bx)

File: Yemen\_2010\_2013\_Panel

### Interviewer instructions

Total selling area refers to the space where sales take place. It does not include warehouses. Whenever the establishment is composed of several locations the selling areas of each location should be added.

## How Much Of An Obstacle: Access To Land? (g30a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 830  
Invalid: 0

### Pre question

SHOW CARD

### Literal question

Is access to land No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?

### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## In last FY, Did This Establishment Pay For Security? (i1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 830  
Invalid: 0

### Pre question

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING: We now turn to another topic.

### Literal question

In fiscal year [insert last complete fiscal year], did this establishment pay for security, for example equipment, personnel, or professional security services?

### Post question

If answer is No or Don't Know then GO TO QUESTION I.3

### Interviewer instructions

Pay for security. Self-explanatory

## Percentage Of Total Annual Sales Paid For Security In Last Fiscal Year (i2a)

File: Yemen\_2010\_2013\_Panel

### Overview

## Percentage Of Total Annual Sales Paid For Security In Last Fiscal Year (i2a)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-90

Valid cases: 143  
Invalid: 687

### Literal question

In fiscal year [insert last complete fiscal year], what percent of this establishment's total annual sales was paid for security, or what was the total annual cost of security?

Percent of total annual sales for security

### Post question

PROVIDE EITHER ONE OR THE OTHER, NOT BOTH i2a and i2b

### Interviewer instructions

How much pay for security. Self-explanatory

## In Last Fiscal Year, What Is The Total Annual Cost Of Security? (i2b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 8  
Decimals: 0  
Range: -9-44000000

Valid cases: 143  
Invalid: 687

### Literal question

In fiscal year [insert last complete fiscal year], what percent of this establishment's total annual sales was paid for security, or what was the total annual cost of security?

Total annual cost of security

### Post question

PROVIDE EITHER ONE OR THE OTHER, NOT BOTH i2a and i2b

### Interviewer instructions

How much pay for security. Self-explanatory

## Losses Due To Theft, Robbery, Vandalism Or Arson Experienced In Last Fiscal Year (i3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 830  
Invalid: 0

### Literal question

In fiscal year [insert last complete fiscal year], did this establishment experience losses as a result of theft, robbery, vandalism or arson?

### Post question

If answer is No or Don't Know then GO TO QUESTION I.30

### Interviewer instructions

## Losses Due To Theft, Robbery, Vandalism Or Arson Experienced In Last Fiscal Year (i3)

File: Yemen\_2010\_2013\_Panel

Experienced losses from theft, robbery, vandalism, arson. Self-explanatory

## Losses Due To Theft, Robbery, Vandalism Or Arson In Last Fiscal Yr (% Of Sales) (i4a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-60

Valid cases: 64  
Invalid: 766

### Literal question

In fiscal year [insert last complete fiscal year], what were the estimated losses as a result of theft, robbery, vandalism or arson that occurred on this establishment?s premises either as a percentage of total annual sales or as total annual losses?  
Losses as percent of total annual sales

### Post question

PROVIDE EITHER ONE OR THE OTHER, NOT BOTH i4a and i4b

### Interviewer instructions

Extent of losses from theft, robbery, vandalism, arson. Self-explanatory

## Value Of Losses Due To Theft, Robbery, Vandalism Or Arson In Last Fiscal Yr (i4b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 9  
Decimals: 0  
Range: -9-700000000

Valid cases: 66  
Invalid: 764

### Literal question

In fiscal year [insert last complete fiscal year], what were the estimated losses as a result of theft, robbery, vandalism or arson that occurred on this establishment?s premises either as a percentage of total annual sales or as total annual losses?  
Total annual value of losses

### Post question

PROVIDE EITHER ONE OR THE OTHER, NOT BOTH i4a and i4b

### Interviewer instructions

Extent of losses from theft, robbery, vandalism, arson. Self-explanatory

## How Much Of An Obstacle: Crime, Theft And Disorder? (i30)

File: Yemen\_2010\_2013\_Panel

### Overview

## How Much Of An Obstacle: Crime, Theft And Disorder? (i30)

### File: Yemen\_2010\_2013\_Panel

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -9-4

Valid cases: 830  
 Invalid: 0

#### Pre question

SHOW CARD

#### Literal question

Are crime, theft and disorder No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?

#### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## In last FY, % Of Material Inputs Or Services Paid For After Delivery (k1c)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 3  
 Decimals: 0  
 Range: -9-100

Valid cases: 830  
 Invalid: 0

#### Pre question

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING: I would like to ask you a few questions about how you finance the operations of this establishment.

#### Literal question

In fiscal year [insert last complete fiscal year], what percent, as a proportion of the value of total annual purchases of material inputs or services, were:  
 Paid for after delivery?

#### Interviewer instructions

INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## In last FY, % Of Total Annual Sales Paid For After Delivery (k2c)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 3  
 Decimals: 0  
 Range: -9-100

Valid cases: 830  
 Invalid: 0

#### Pre question

SHOW CARD

#### Literal question

In fiscal year [insert last complete fiscal year], what percent of this establishment's total annual sales of its goods or services were: Paid for after delivery?

#### Interviewer instructions

## In last FY, % Of Total Annual Sales Paid For After Delivery (k2c)

### File: Yemen\_2010\_2013\_Panel

1) The questions refer to an establishment's ability to provide and be provided trade credit arrangements with suppliers and customers.

- a. Paid before delivery means the invoice was paid before the shipment arrived.
- b. Paid for on delivery means that the payment was made at the time the shipment arrived.
- c. Paid for after delivery means that the payment was made at some period after the shipment had arrived.

2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## % Of Working Capital Financed From Internal Funds/Retained Earnings (k3a)

### File: Yemen\_2010\_2013\_Panel

File: Yemen\_2010\_2013\_Panel

Overview	
Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 3	
Decimals: 0	
Range: -9-100	
Pre question	
INTERVIEWER: SHOW CARD	
Literal question	
Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital that was financed from each of the following sources? Internal funds/Retained earnings	
Interviewer instructions	
INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%	

## % of Working capital Borrowed from banks private (k3b)

### File: Yemen\_2010\_2013\_Panel

Overview	
Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 2	
Decimals: 0	
Range: -9-90	
Literal question	
Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital, that is the funds available for day-to-day operations, that was financed from each of the following sources? Borrowed from private banks	

## % of Working capital Borrowed from banks state owned (k3c)

### File: Yemen\_2010\_2013\_Panel

Overview
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## % of Working capital Borrowed from banks state owned (k3c)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-80

Valid cases: 353  
Invalid: 477

### Literal question

Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital, that is the funds available for day-to-day operations, that was financed from each of the following sources?  
Borrowed from state-owned banks

## % Of Working Capital Borrowed From Non-Bank Financial Institutions (k3e)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

INTERVIEWER: SHOW CARD

### Literal question

Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital that was financed from each of the following sources?  
Borrowed from non-bank financial institutions

### Interviewer instructions

INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## % Of Working Capital Purchased On Credit/Advances From Suppliers /Customers (k3f)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

INTERVIEWER: SHOW CARD

### Literal question

Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital that was financed from each of the following sources?  
Purchases on credit from suppliers and advances from customers

### Interviewer instructions

INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## % Of Working Capital Financed By Other (Money Lenders, Friends, Relatives, Etc) (k3hd)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Pre question

INTERVIEWER: SHOW CARD

### Literal question

Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's working capital that was financed from each of the following sources?  
Other (moneylenders, friends, relatives, etc.)

### Interviewer instructions

INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## Did This Establishment Purchase Any Fixed Assets In Last Fiscal Yr? (k4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 830  
Invalid: 0

### Literal question

In fiscal year [insert last complete fiscal year], did this establishment purchase any fixed assets, such as machinery, vehicles, equipment, land or buildings?

### Interviewer instructions

Purchase of fixed assets, investments, etc. Self-explanatory

## Total Annual Expenditure For Purchases Of Equipment In Last Fiscal Yr (n5a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -9-1653000000

Valid cases: 329  
Invalid: 501

### Literal question

In fiscal year [insert last complete fiscal year], how much did this establishment spend on purchases of:  
Machinery, vehicles, and equipment (new or used)

### Interviewer instructions

## Total Annual Expenditure For Purchases Of Equipment In Last Fiscal Yr (n5a)

File: Yemen\_2010\_2013\_Panel

The category machinery, vehicles and equipment is the annual investment of anything used directly by this establishment to produce. Vehicles include transport and loading and unloading vehicles. It should include not only the purchase cost but also all other costs involved in the investment such as transport of the item and installation cost. Computer hardware should be considered under equipment

Land, buildings is the annual investment in land, buildings and structures used directly or indirectly by this establishment to produce goods and services.

Included are expenditures for new and used structures (including those under construction at the end of last complete fiscal year), fixtures and equipment, additions, major alterations and improvements to existing facilities, and capitalized repairs.

## Total Annual Expenditure For Purchases Of Land And Buildings In Last Fiscal Yr (n5b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 9  
Decimals: 0  
Range: -9-450000000

Valid cases: 329  
Invalid: 501

### Literal question

In fiscal year [insert last complete fiscal year], how much did this establishment spend on purchases of:  
Land and buildings

### Interviewer instructions

The category machinery, vehicles and equipment is the annual investment of anything used directly by this establishment to produce. Vehicles include transport and loading and unloading vehicles. It should include not only the purchase cost but also all other costs involved in the investment such as transport of the item and installation cost. Computer hardware should be considered under equipment

Land, buildings is the annual investment in land, buildings and structures used directly or indirectly by this establishment to produce goods and services.

Included are expenditures for new and used structures (including those under construction at the end of last complete fiscal year), fixtures and equipment, additions, major alterations and improvements to existing facilities, and capitalized repairs.

## Last FY, % Fixed Assets Funded By: Internal Funds/Retained Earnings (k5a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 329  
Invalid: 501

### Pre question

SHOW CARD

### Literal question

## Last FY, % Fixed Assets Funded By: Internal Funds/Retained Earnings (k5a)

File: Yemen\_2010\_2013\_Panel

Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources?

Internal funds or retained earnings

### Interviewer instructions

1) Fixed assets include any indivisible purchase made by the establishment as described in K.4. Examples include machinery/equipment, land, buildings, building improvements, etc.

The source of funds for these purchases may be diverse, so it is important for the enumerator to make sure that the various sources do add up to 100%.

2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## Last FY, % Fixed Assets Funded By: Owners' Contributions Or Issued New Equity (k5i)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 329  
Invalid: 501

### Pre question

SHOW CARD

### Literal question

Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources?

Owners' contribution or issued new equity shares

### Interviewer instructions

1) Fixed assets include any indivisible purchase made by the establishment as described in K.4. Examples include machinery/equipment, land, buildings, building improvements, etc.

The source of funds for these purchases may be diverse, so it is important for the enumerator to make sure that the various sources do add up to 100%.

2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## Last FY, % Fixed Assets Funded By: Bank Borrowing-Private (k5b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 121  
Invalid: 709

### Pre question

SHOW CARD

### Literal question

## Last FY, % Fixed Assets Funded By: Bank Borrowing-Private (k5b) File: Yemen\_2010\_2013\_Panel

Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources:  
Borrowed from private banks

## Last FY, % Fixed Assets Funded By: Bank Borrowing-State Owned (k5c) File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-0

Valid cases: 121  
Invalid: 709

### Pre question

SHOW CARD

### Literal question

Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources:  
Borrowed from state-owned banks

## Last FY, % Fixed Assets Funded By: Non-Bank Financial Institutions (k5e) File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 329  
Invalid: 501

### Pre question

SHOW CARD

### Literal question

Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources?  
Borrowed from non-bank financial institutions

### Interviewer instructions

INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## Last FY, % Fixed Assets Funded By: Credit From Suppliers/Advances From Customers (k5f) File: Yemen\_2010\_2013\_Panel

### Overview

## Last FY, % Fixed Assets Funded By: Credit From Suppliers/Advances From Customers (k5f)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 329  
Invalid: 501

### Pre question

SHOW CARD

### Literal question

Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources?  
Purchases on credit from suppliers and advances from customers

### Interviewer instructions

1) Fixed assets include any indivisible purchase made by the establishment as described in K.4. Examples include machinery/equipment, land, buildings, building improvements, etc.

The source of funds for these purchases may be diverse, so it is important for the enumerator to make sure that the various sources do add up to 100%.

2) INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

## Last FY, % Fixed Assets Funded By: Other (Money Lenders\Friends\Relatives\Etc) (k5hdj)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 329  
Invalid: 501

### Literal question

Over fiscal year [insert last complete fiscal year], please estimate the proportion of this establishment's total purchase of fixed assets that was financed from each of the following sources:  
Other (moneylenders, friends, relatives, bonds, commercial papers etc)

## Leasing of fixed assets in last fiscal yr? (MNAk4a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 353  
Invalid: 477

### Literal question

In fiscal year [insert last complete fiscal year], did this establishment lease any fixed assets, such as machinery, vehicles, equipment, land or buildings?

## Does This Establishment Have A Checking And\Or Saving Account? (k6)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Now let's talk about the establishment's current situation. At this time, does this establishment have a checking or savings account?

### Interviewer instructions

Checking/ savings account. Self-explanatory

## At This Time, Does This Establishment Have An Overdraft Facility? (k7)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

At this time, does this establishment have an overdraft facility?

### Interviewer instructions

An overdraft facility is a flexible account that allows firms to draw upon in the event their account balance becomes negative. The firm will incur fees or are subject to interest payments if they exercise this option.

## Establishment has A Line Of Credit Or Loan From A Financial Institution? (k8)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

At this time, does this establishment have a line of credit or a loan from a financial institution?

### Interviewer instructions

A line of credit is an available amount of credit that the establishment can draw upon or leave untapped. Lines of credit usually carry monthly interest rates, and are repaid quickly (as soon as the establishment's cash flow allows for repayment). They may or may not have a defined date of expiration.

A loan is generally a much less flexible form of finance. It comes in fixed amounts (rather than ranges), carry annual interest rates (either fixed or floating), and they carry a determined term to maturity (finite period for repayment).

## Reason for not having a line of credit/loan (MNAk8c)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 315
Format: numeric	Invalid: 515
Width: 2	
Decimals: 0	
Range: -9-3	

**Literal question**

What is the reason for not having a loan or line of credit currently?

## Reason why loan application turned down (MNAk8d)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 4
Format: numeric	Invalid: 826
Width: 2	
Decimals: 0	
Range: -9-4	

**Literal question**

What was the main reason given when the application was turned down?

## Type Of Financial Institution That Granted The Line Of Credit Or Loan (k9)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 93
Format: numeric	Invalid: 737
Width: 2	
Decimals: 0	
Range: -9-5	

**Pre question**

SHOW CARD

**Literal question**

Referring to the most recent line of credit or loan, what type of financial institution granted this loan?

**Interviewer instructions**

Institutions that granted loan. Self-explanatory

## Year When The Most Recent Loan/Line Of Credit Approved (k10)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 93
Format: numeric	Invalid: 737
Width: 4	
Decimals: 0	
Range: -9-2013	

**Literal question**

Referring only to this most recent line of credit or loan, in what year was the most recent line of credit or loan approved?

## Year When The Most Recent Loan/Line Of Credit Approved (k10)

File: Yemen\_2010\_2013\_Panel

### Interviewer instructions

INTERVIEWER: PROVIDE FOUR DIGITS FOR YEAR

## For The Most Recent Loan, What Was The Value At The Time Of Approval? (k11)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 93
Format: numeric	Invalid: 737
Width: 10	
Decimals: 0	
Range: -9-1000000000	

### Literal question

Referring only to this most recent loan or line of credit, what was its value at the time of approval?

### Interviewer instructions

Value of the loan. Self-explanatory

## Currency of the most recent line of credit/loan (MNAq46f)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 35
Format: numeric	Invalid: 795
Width: 2	
Decimals: 0	
Range: -9-4	

### Literal question

In what currency is the most recent line of credit or loan denominated?

## Currency of the most recent line of credit/loan (Other) (MNAq46fx)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 0
Format: character	Invalid: 0
Width: 1	

### Literal question

In what currency is the most recent line of credit or loan denominated?

## Annual nominal interest rate of the most recent line of credit/loan (MNAq46d)

File: Yemen\_2010\_2013\_Panel

### Overview

## Annual nominal interest rate of the most recent line of credit/loan (MNAq46d)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-30

Valid cases: 86  
Invalid: 744

### Literal question

What is the annual nominal interest rate (in percent) of the most recent line of credit or loan?

### Interviewer instructions

(INTERVIEWER: IF THE RESPONDENT SAYS THAT THE INTEREST RATE IS VARIABLE, PLEASE ASK THE RESPONDENT TO CALCULATE THE AVERAGE ANNUAL INTEREST RATE)

## Original duration of the most recent line of credit/loan in months (MNAq46e)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-36

Valid cases: 86  
Invalid: 744

### Literal question

What was the original duration of the most recent line of credit or loan in months?

## Financing Required For The Most Recent Line Of Credit Or Loan (k13)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 93  
Invalid: 737

### Literal question

Referring only to this most recent loan or line of credit, did the financing require collateral?

### Interviewer instructions

Collateral refers to property of the business or personal property of the manager or owners that is used to secure the loan in the event that the establishment defaults on its payment obligations. Collateral only refers to real property or financial assets, not to personal guarantees by third parties.

## Type Of Collateral Required For The Most Recent Loan? Land, Buildings (k14a)

File: Yemen\_2010\_2013\_Panel

### Overview

## Type Of Collateral Required For The Most Recent Loan? Land, Buildings (k14a)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 79  
Invalid: 751

### Pre question

INTERVIEWER: READ OUT

### Literal question

Referring only to this most recent loan or line of credit, what type of collateral was required? Land, buildings under ownership of the establishment

### Interviewer instructions

Collateral refers to property of the business or personal property of the manager or owners that is used to secure the loan in the event that the establishment defaults on its payment obligations. Collateral only refers to real property or financial assets, not to personal guarantees by third parties.

## Type Of Collateral Required For The Most Recent Loan? Equipment (k14b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 79  
Invalid: 751

### Literal question

Referring only to this most recent loan or line of credit, what type of collateral was required?  
Machinery and equipment including movables

### Interviewer instructions

Collateral refers to property of the business or personal property of the manager or owners that is used to secure the loan in the event that the establishment defaults on its payment obligations. Collateral only refers to real property or financial assets, not to personal guarantees by third parties.

## Type Of Collateral Required For The Most Recent Loan? Accounts (k14c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 79  
Invalid: 751

### Literal question

Referring only to this most recent loan or line of credit, what type of collateral was required?  
Accounts receivable and inventories

### Interviewer instructions

Collateral refers to property of the business or personal property of the manager or owners that is used to secure the loan in the event that the establishment defaults on its payment obligations. Collateral only refers to real property or financial assets, not to personal guarantees by third parties.

## Type Of Collateral Required For The Most Recent Loan? Personal Assets (k14d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 79  
Invalid: 751

### Literal question

Referring only to this most recent loan or line of credit, what type of collateral was required? Personal assets of owner (house, etc.)

### Interviewer instructions

Collateral refers to property of the business or personal property of the manager or owners that is used to secure the loan in the event that the establishment defaults on its payment obligations. Collateral only refers to real property or financial assets, not to personal guarantees by third parties.

## Type Of Collateral Required For The Most Recent Loan? Other (k14e)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 79  
Invalid: 751

### Literal question

Referring only to this most recent loan or line of credit, what type of collateral was required? Other forms of collateral not included in the categories above

### Interviewer instructions

Collateral refers to property of the business or personal property of the manager or owners that is used to secure the loan in the event that the establishment defaults on its payment obligations. Collateral only refers to real property or financial assets, not to personal guarantees by third parties.

## Value Of Collateral Required For The Most Recent Credit/Loan (k15a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 10  
Decimals: 0  
Range: -9-1000000000

Valid cases: 79  
Invalid: 751

### Literal question

Referring only to this most recent line of credit or loan, what was the approximate value of the collateral required?

## Outstanding balance on the most recent line of credit/loan (LCU) (MNAk15a1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 35
Format: numeric	Invalid: 795
Width: 9	
Decimals: 0	
Range: -9-750000000	

### Literal question

What is the outstanding balance on this most recent line of credit or loan?

## Total number of outstanding loans/lines of credit held by this establishment (k15b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 35
Format: numeric	Invalid: 795
Width: 2	
Decimals: 0	
Range: -9-30	

### Literal question

What is the total number of outstanding loans or lines of credit held by this establishment?

## Total value of outstanding loans/lines of credit held by this establishment (LCU (k15c))

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 9
Format: numeric	Invalid: 821
Width: 10	
Decimals: 0	
Range: -9-1100000000	

### Literal question

What is the total value of outstanding loans or lines of credit held by this establishment?

## Outstanding personal loans used to finance establishment's business activities? (k15d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

What is the total value of outstanding loans or lines of credit held by this establishment?

## In Last Fiscal Yr, Did Establishment Apply For New Loans/Lines Of Credit? (k16)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 830  
Invalid: 0

### Literal question

Referring again to the last fiscal year [insert last complete fiscal year], did this establishment apply for any loans or lines of credit?

### Interviewer instructions

Apply for new loans in last year. Self-explanatory

## Main Reason For Not Applying For New Loans Or New Lines Of Credit (k17)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-7

Valid cases: 711  
Invalid: 119

### Pre question

SHOW CARD

### Literal question

What was the main reason why this establishment did not apply for any line of credit or loan?

### Interviewer instructions

Reasons for not applying for loan last year. Self-explanatory

## Outcome of the most recent application for line of credit/loan (k20a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 33  
Invalid: 797

### Literal question

Referring only to this most recent application for a line of credit or loan, what was the outcome of that application?

## Which source of funding was the most important to make up for the partial loan r (MNAk20b)

File: Yemen\_2010\_2013\_Panel

## Which source of funding was the most important to make up for the partial loan r (MNAk20b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 1
Format: numeric	Invalid: 829
Width: 2	
Decimals: 0	
Range: -9-5	

### Literal question

Referring only to this most recent application for a line of credit or loan, which source of funding was the most important to make up for the partial loan rejection?

## Why did the establishment withdraw its application (MNAk20c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 1
Format: numeric	Invalid: 829
Width: 2	
Decimals: 0	
Range: -9-4	

### Literal question

Referring only to this most recent application for a line of credit or loan, why did this establishment withdraw its application?

## Financial Statements Checked & Certified By External Auditor In Last Fiscal Yr? (k21)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

In fiscal year [insert last complete fiscal year], did this establishment have its annual financial statements checked and certified by an external auditor?

### Interviewer instructions

Certification of financial statements by external auditor. Self-explanatory

## How Much Of An Obstacle: Access To Finance (k30)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-4	

### Pre question

## How Much Of An Obstacle: Access To Finance (k30)

File: Yemen\_2010\_2013\_Panel

SHOW CARD

### Literal question

Is access to finance, which includes availability and cost, interest rates, fees and collateral requirements, No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment?

### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## Has the establishment been to court as plaintiff or defendant in last 3 yrs (MNAq31e)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Has this establishment been to court as a plaintiff or as a defendant in the last three years?

## The Court System Is Fair, Impartial And Uncorrupted (h7a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-4	

### Pre question

SHOW CARD

### Literal question

I am going to read some statements that describe the courts system and how it could affect business. For each statement, please tell me if you Strongly disagree, Tend to disagree, Tend to agree, or Strongly agree.

"The court system is fair, impartial and uncorrupted."

## The court system is quick (MNAj1b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 2	
Decimals: 0	
Range: -9-4	

### Literal question

## The court system is quick (MNAj1b)

File: Yemen\_2010\_2013\_Panel

I am going to read a few statements describing the court system and how it could affect business. Please tell me if you Strongly disagree, Tend to disagree, Tend to agree, or Strongly agree.  
"The court system is quick."

## The court system is able to enforce its decisions (MNAj1c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 353  
Invalid: 477

### Literal question

I am going to read a few statements describing the court system and how it could affect business. Please tell me if you Strongly disagree, Tend to disagree, Tend to agree, or Strongly agree.  
"The court system is able to enforce its decisions."

## Judicial system will enforce contractual and property rights in business dispute (MNAj1a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 830  
Invalid: 0

### Literal question

I am going to read a few statements describing the court system and how it could affect business. Please tell me if you Strongly disagree, Tend to disagree, Tend to agree, or Strongly agree.  
"I'm confident that the court system will enforce this establishment's contractual and property rights in business disputes."

## Govt officials interpretation of regulations are consistent and predictable (MNAj1d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 830  
Invalid: 0

### Literal question

I am going to read a few statements describing the court system and how it could affect business. Please tell me if you Strongly disagree, Tend to disagree, Tend to agree, or Strongly agree.  
"In general, government officials' interpretations of regulations affecting this establishment are consistent and predictable."

## What % Of Senior Management Time Was Spent In Dealing With Govt Regulations? (j2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 830  
Invalid: 0

### Literal question

In a typical week over the last year, what percentage of total senior management's time was spent on dealing with requirements imposed by government regulations? [By senior management I mean managers, directors, and officers above direct supervisors of production/sales workers. Some examples of government regulations are taxes, customs, labor regulations, licensing and registration, including dealings with officials and completing forms]

### Interviewer instructions

Percent of total senior management's time. Ask managers to estimate what percentage of their time senior managers spend dealing with government regulations, inspections, negotiations and other bureaucratic burden. This is time that would otherwise be spent on business matters. It should not include time spent negotiating procurement contracts with the government - only time dealing with red tape and bureaucracy.

## Over The Last 12 Months, Was This Establishment Inspected By Tax Officials? (j3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 830  
Invalid: 0

### Literal question

Over the last year, was this establishment visited or inspected by tax officials?

### Post question

If answer is No or Don't Know then GO TO QUESTION J.6a

### Interviewer instructions

Visitations and inspections from tax inspectorate officials. Self-explanatory

## Frequency Of Inspections/Requirement For Meeting By Tax Officials (j4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-365

Valid cases: 676  
Invalid: 154

### Literal question

Over the last year, how many times was this establishment either inspected by tax officials or required to meet with them?

## In Any Of These Inspections Was A Gift/Informal payment Requested ? (j5)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 676
Format: numeric	Invalid: 154
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

In any of these inspections or meetings was a gift or informal payment expected or requested?

### Interviewer instructions

- 1) Bribes from tax inspectors. Self-explanatory
- 2) Sensitive question, no clarification can be offered

## Government Contract Secured (Or Attempted) In The Last 12 Months? (j6a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Over the last year, has this establishment secured or attempted to secure a government contract?

### Post question

If answer is No or Don't Know then GO TO QUESTION J.7

## % Of Contract Value Avg. Firm Pays In Informal Gifts To Govt To Secure Contract? (j6)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 112
Format: numeric	Invalid: 718
Width: 3	
Decimals: 0	
Range: -9-100	

### Literal question

When establishments like this one do business with the government, what percent of the contract value would be typically paid in informal payments or gifts to secure the contract?

### Interviewer instructions

- 1) Percent of the contract value. The question is designed to get at the size of the unaudited or unreported payment that is made to a government officials that directly aided in granting a government contract, in part or in whole, or expanded the size of the contract to include the establishment's business.

Again, notice the wording (phrasing) of the question: it asks for the respondent to answer for the "typical" establishment, rather than the establishment being interviewed.

- 2) Sensitive question, no clarification can be offered

## Percent Of Total Annual Sales Paid In Informal Payments (j7a)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -9-90

Valid cases: 708  
 Invalid: 122

#### Literal question

It is said that establishments are sometimes required to make gifts or informal payments to public officials to "get things done" with regard to customs, taxes, licenses, regulations, services etc. On average, what percent of total annual sales, or estimated total annual value, do establishments like this one pay in informal payments or gifts to public officials for this purpose?

Percent of total annual sales paid as informal payment

#### Post question

PROVIDE EITHER ONE OR THE OTHER, NOT BOTH j7a and j7b

#### Interviewer instructions

1) Size of informal payments/gifts Informal payments are payments made to government officials that are unaudited or unreported. They are generally given to an official with the expectation that a service will be performed (such as granting a business license), a violation overlooked (such as violation of health regulation), or because the official threatens the business.

Notice the wording (phrasing) of the question: it asks for the respondent to answer for establishments "like this one" rather than the establishment being interviewed.

2) Sensitive question, no clarification can be offered

## Total Annual Informal Payment (j7b)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 8  
 Decimals: 0  
 Range: -9-80000000

Valid cases: 122  
 Invalid: 708

#### Literal question

It is said that establishments are sometimes required to make gifts or informal payments to public officials to "get things done" with regard to customs, taxes, licenses, regulations, services etc. On average, what percent of total annual sales, or estimated total annual value, do establishments like this one pay in informal payments or gifts to public officials for this purpose?

Total annual informal payment

#### Post question

PROVIDE EITHER ONE OR THE OTHER, NOT BOTH j7a and j7b

#### Interviewer instructions

1) Size of informal payments/gifts Informal payments are payments made to government officials that are unaudited or unreported. They are generally given to an official with the expectation that a service will be performed (such as granting a business license), a violation overlooked (such as violation of health regulation), or because the official threatens the business.

Notice the wording (phrasing) of the question: it asks for the respondent to answer for establishments "like this one" rather than the establishment being interviewed.

2) Sensitive question, no clarification can be offered

## Application To Obtain An Import License Submitted Over The Last 2 Years? (j10)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Over the last two years, did this establishment submit an application to obtain an import license?

### Post question

If answer is No or Don't Know then GO TO QUESTION J.13

### Interviewer instructions

Application for import license Self-explanatory

## How Many Days Did It Take To Obtain Your Import License? (j11)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 100
Format: numeric	Invalid: 730
Width: 3	
Decimals: 0	
Range: -9-365	

### Literal question

Approximately how many days did it take to obtain this import license from the day of the application to the day it was granted?

### Interviewer instructions

Wait for import license Self-explanatory

## When You Applied For An Import License, Was An Informal Gift/payment Requested? (j12)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 100
Format: numeric	Invalid: 730
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

In reference to that application for an import license, was an informal gift or payment expected or requested?

### Interviewer instructions

- 1) Bribe for import license. Self-explanatory
- 2) Sensitive question, no clarification can be offered

## Application To Obtain An Operating License Submitted Over Last 2 Years? (j13)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Over the last two years, did this establishment submit an application to obtain an operating license?

### Interviewer instructions

Application for operating license Self-explanatory-Includes renewals of operating licenses

## How Many Days Did It Take To Obtain Your Operating License? (j14)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 218
Format: numeric	Invalid: 612
Width: 3	
Decimals: 0	
Range: -9-360	

### Literal question

Approximately how many days did it take to obtain this operating license from the day of the application to the day it was granted?

### Interviewer instructions

Wait for operating license. Self-explanatory

## When You Applied For Operating License Was An Informal Gift/payment Requested? (j15)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 218
Format: numeric	Invalid: 612
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

In reference to that application for an operating license, was an informal gift or payment expected or requested?

### Interviewer instructions

Sensitive question, no clarification can be offered

## How Much Of An Obstacle: Tax Rates (j30a)

File: Yemen\_2010\_2013\_Panel

### Overview

## How Much Of An Obstacle: Tax Rates (j30a)

### File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 830  
Invalid: 0

#### Pre question

SHOW CARD

#### Literal question

As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment.

Tax rates

#### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## How Much Of An Obstacle: Tax Administrations (j30b)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 830  
Invalid: 0

#### Pre question

SHOW CARD

#### Literal question

As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment.

Tax administration

#### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## Change in total costs if tax administration no longer an obstacle (MNAj31b1)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-3

Valid cases: 296  
Invalid: 534

#### Literal question

Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if tax administration is no longer an obstacle?

## Expected % decrease in total costs - tax administration no obstacle (MNAj31b3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 172
Format: numeric	Invalid: 658
Width: 2	
Decimals: 0	
Range: -9-70	

### Pre question

Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if tax administration is no longer an obstacle?

### Literal question

By what percentage would this establishment's total annual costs DECREASE in the next fiscal year?

## How Much Of An Obstacle: Business Licensing And Permits (j30c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-4	

### Pre question

SHOW CARD

### Literal question

As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment.

Business licensing and permits

### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## Change in total costs if business licensing and permits no longer an obstacle (MNAj31c1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 245
Format: numeric	Invalid: 585
Width: 2	
Decimals: 0	
Range: -9-3	

### Literal question

Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if business licensing and permits are no longer an obstacle?

## Expected % decrease in total costs - business licensing and permits no obstacle (MNAj31c3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 109
Format: numeric	Invalid: 721
Width: 2	
Decimals: 0	
Range: -9-70	

### Pre question

Would this establishment's total annual costs increase, remain the same or decrease over the next fiscal year if business licensing and permits are no longer an obstacle?

### Literal question

By what percentage would this establishment's total annual costs DECREASE in the next fiscal year?

## How Much Of An Obstacle: Political Instability (j30e)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-4	

### Pre question

SHOW CARD

### Literal question

As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment.

Political instability

### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## How Much Of An Obstacle: Corruption (j30f)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-4	

### Pre question

SHOW CARD

### Literal question

As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment.

Corruption

### Interviewer instructions

## How Much Of An Obstacle: Corruption (j30f)

File: Yemen\_2010\_2013\_Panel

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## Change in total costs if corruption no longer an obstacle (MNAj31f1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-3

Valid cases: 349  
Invalid: 481

### Literal question

Would your total annual costs increase, remain the same or decrease over the next fiscal year if corruption is no longer an obstacle?

## Expected % decrease in total costs - corruption no obstacle (MNAj31f3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 233  
Invalid: 597

### Pre question

Would your total annual costs increase, remain the same or decrease over the next fiscal year if corruption is no longer an obstacle?

### Literal question

By what percentage would your total annual costs DECREASE in the next fiscal year?

## How Much Of An Obstacle: Courts (h30)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 830  
Invalid: 0

### Pre question

SHOW CARD

### Literal question

As I list some factors that can affect the current operations of a business, please look at this card and tell me if you think that each factor is No Obstacle, a Minor Obstacle, a Moderate Obstacle, a Major Obstacle, or a Very Severe Obstacle to the current operations of this establishment.

Courts

## How Much Of An Obstacle: Courts (h30)

File: Yemen\_2010\_2013\_Panel

### Interviewer instructions

- 1) The manager should be given a card with the different alternatives for 'degree of obstacle' (from 0 to 4).
- 2) Sensitive question, no clarification can be offered

## Regulatory Policy Uncertainty (MNAj30g)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-4	

### Literal question

Using the response options on the card; To what degree is Regulatory Policy Uncertainty an obstacle to the current operations of this establishment?

## Num. Permanent, Full-Time Employees At End Of Last Fiscal Year (11)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: -9-5000	

### Pre question

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING: Now I would like to ask you a few questions about this establishment's labor force.

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time employees did this establishment employ? Please include all employees and managers

### Post question

INTERVIEWER: include interviewee if applicable

### Interviewer instructions

Number of permanent, full-time employees last complete fiscal year are defined as all paid employees that are contracted for a term of one or more fiscal years and/or have a guaranteed renewal of their employment contract and that work up to 8 or more hours per day.

All employees and managers (including respondent) should be counted.

## Num. Permanent, Full-Time Employees At End Of 3 Fiscal Years Ago (12)

File: Yemen\_2010\_2013\_Panel

### Overview

## Num. Permanent, Full-Time Employees At End Of 3 Fiscal Years Ago (l2)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: -9-7000

Valid cases: 830  
Invalid: 0

### Literal question

Three fiscal years ago, at the end of fiscal year [insert three complete fiscal years ago], how many permanent, full-time employees did this establishment employ? Please include all employees and managers

### Post question

INTERVIEWER: include interviewee if applicable

### Interviewer instructions

Number of permanent, full-time employees three complete fiscal years ago. See definition of permanent, full-time employees in l1

## Num. Full-time Employees At End Of Last Fiscal Yr: production workers (l3a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: -9-1450

Valid cases: 373  
Invalid: 457

### Pre question

INTERVIEWER: READ EACH CATEGORY

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time employees were:  
Production workers

### Interviewer instructions

Number of permanent, full-time production employees are employees (up to the line supervisor level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations. Employees above the working-supervisor level are excluded from this item.

Number of permanent, full-time non-production employees are those employees not engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations. Managers and other supervisory personnel with responsibilities for the performance of shop floor supervisors and below are included. Do not include shop floor supervisors.

Employees in sales (including driver-salespersons), sales delivery (highway truck drivers and their helpers), janitorial and guard services, advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.) are included. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations utilized as a separate work force. Professional, and technical employees are included in this category.

## Number of production workers under 30 yrs old (MNA13a)

File: Yemen\_2010\_2013\_Panel

### Overview

## Number of production workers under 30 yrs old (MNA13a)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-230

Valid cases: 118  
Invalid: 712

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals in this establishment were production workers younger than 30 years old:

## Num. Full-time Employees At End Of Last Fiscal Yr: non-production workers (l3b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-740

Valid cases: 373  
Invalid: 457

### Pre question

INTERVIEWER: READ EACH CATEGORY

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time employees were:  
Non-production workers [e.g., managers, administration, sales]

### Interviewer instructions

Number of permanent, full-time production employees are employees (up to the line supervisor level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations. Employees above the working-supervisor level are excluded from this item.

Number of permanent, full-time non-production employees are those employees not engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations. Managers and other supervisory personnel with responsibilities for the performance of shop floor supervisors and below are included. Do not include shop floor supervisors.

Employees in sales (including driver-salespersons), sales delivery (highway truck drivers and their helpers), janitorial and guard services, advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.) are included. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations utilized as a separate work force. Professional, and technical employees are included in this category.

## Number of non-production workers under 30 yrs old (MNA13b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-160

Valid cases: 108  
Invalid: 722

### Literal question

## Number of non-production workers under 30 yrs old (MNA13b)

File: Yemen\_2010\_2013\_Panel

At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals in this establishment were non-production workers younger than 30 years old:

## Num. Full-time Employees At End Of Last Fiscal Yr: Skilled Production Workers (l4a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: -9-1200

Valid cases: 366  
Invalid: 464

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals working in this establishment were skilled production workers:

### Interviewer instructions

Numbers of different types of permanent, full-time skilled production workers have some special knowledge or (usually acquired) ability in their work. A skilled worker may have attended a college, university or technical school or, may have learned their skills on the job.

Unskilled production worker are unskilled in that it is not required that they have special training, education, or skill to perform their job.

## Num. Full-time Employees At End Of Last Fiscal Yr: Unskilled Production Workers (l4b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-600

Valid cases: 365  
Invalid: 465

### Pre question

INTERVIEWER: READ EACH CATEGORY

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time employees were:  
Unskilled production workers

### Interviewer instructions

Numbers of different types of permanent, full-time skilled production workers have some special knowledge or (usually acquired) ability in their work. A skilled worker may have attended a college, university or technical school or, may have learned their skills on the job.

Unskilled production worker are unskilled in that it is not required that they have special training, education, or skill to perform their job.

## Number of workers under 30 yrs old (MNA14)

File: Yemen\_2010\_2013\_Panel

## Number of workers under 30 yrs old (MNA14)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 224
Format: numeric	Invalid: 606
Width: 3	
Decimals: 0	
Range: -9-360	

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals in this establishment were skilled production workers younger than 30 years old:

## Number of skilled workers under 30 yrs old (MNA14a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 97
Format: numeric	Invalid: 733
Width: 3	
Decimals: 0	
Range: -9-230	

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals in this establishment were skilled production workers younger than 30 years old

## Number of unskilled workers under 30 yrs old (MNA14b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 49
Format: numeric	Invalid: 781
Width: 3	
Decimals: 0	
Range: -9-120	

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many permanent, full-time individuals in this establishment were unskilled production workers younger than 30 years old:

## Did total wage cost of an average permanent full time employee change (MNA14c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 2	
Decimals: 0	
Range: -9-3	

### Literal question

Over the course of fiscal year [insert last complete fiscal year], did the total wage cost of an average permanent full-time employee

## % increase in total wage cost of an average permanent full time employee (MNAI4d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-70

Valid cases: 192  
Invalid: 638

### Literal question

Over the course of fiscal year [insert last complete fiscal year], in percentage terms, how much did the total wage cost of an average permanent full-time employee increase?

## % decrease in total wage cost of an average permanent full time employee (MNAI4e)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-50

Valid cases: 6  
Invalid: 824

### Literal question

Over the course of fiscal year [insert last complete fiscal year], in percentage terms, how much did the total wage cost of an average permanent full-time employee decrease?

## Main reason for total wage cost change (MNAI4f)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 198  
Invalid: 632

### Pre question

Over the course of fiscal year [insert last complete fiscal year], in percentage terms, how much did the total wage cost of an average permanent full-time employee decrease?

### Literal question

The main reason for this change was:

## Main reason for total wage cost change (other) (MNAI4fx)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: character  
Width: 94

Valid cases: 59  
Invalid: 0

### Pre question

## Main reason for total wage cost change (other) (MNA14fx)

File: Yemen\_2010\_2013\_Panel

Over the course of fiscal year [insert last complete fiscal year], in percentage terms, how much did the total wage cost of an average permanent full-time employee decrease?

### Literal question

The main reason for this change was:  
Other

## Num. Full-time Employees At End Of Last Fiscal Yr: female (15)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-700

Valid cases: 457  
Invalid: 373

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many permanent full-time employees of this establishment for the following categories were female?

## Num. Full-time Employees At End Of Last Fiscal Yr: female production workers (15a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-180

Valid cases: 373  
Invalid: 457

### Pre question

INTERVIEWER: READ EACH CATEGORY

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many permanent full-time employees of this establishment for the following categories were female?

Female permanent full-time production employees

## Num. Full-time Employees At End Of Last Fiscal Yr: female non-production workers (15b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-30

Valid cases: 373  
Invalid: 457

### Pre question

INTERVIEWER: READ EACH CATEGORY

### Literal question

## Num. Full-time Employees At End Of Last Fiscal Yr: female non-production workers (l5b)

File: Yemen\_2010\_2013\_Panel

At the end of fiscal year [insert last complete fiscal year], how many permanent full-time employees of this establishment for the following categories were female?

Female permanent full-time non-production employees

## Female permanent full-time professionals number (MNA15c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-188

Valid cases: 353  
Invalid: 477

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many female, permanent, full-time professionals worked in this establishment? (Professional employees are those whose daily responsibilities include work of an intellectual nature and/or managerial responsibilities)

## Num. Full-Time Temporary Employees At End Of Last Fiscal Yr (l6)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: -9-1000

Valid cases: 830  
Invalid: 0

### Literal question

How many full-time temporary employees did this establishment employ in fiscal year [insert last complete fiscal year]?

### Interviewer instructions

Full-time temporary or seasonal employees are defined as all paid short-term (i.e. for less than a fiscal year) employees with no guarantee of renewal of employment contract and work 40 hours or more per week for the term of their contract.

## Female temporary, full-time workers employed throughout last fiscal yr (l6a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-150

Valid cases: 166  
Invalid: 664

### Literal question

How many full-time temporary employees did this establishment employ throughout year [insert last complete fiscal year]? Female full-time seasonal or temporary workers employed last fiscal year

### Interviewer instructions

(INTERVIEWER: Full-time, temporary workers are all paid short-term (i.e. for less than a year) employees with no guarantee of renewal of contract employment and work 8 or more hours per day)

## Avg. Length Of Employment Of All Full-time Temporary Employees In Last Fiscal Yr (l8)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-12

Valid cases: 395  
Invalid: 435

### Literal question

What was the average length of employment of all full-time temporary employees in fiscal year [insert last complete fiscal year]?

### Interviewer instructions

Average length of employment of all full-time temporary or seasonal employees refers to the number of months that the employee was contracted for work that occupied employees for 40 hours or more per week. If average full-time temporary or seasonal employment was for less than one month, enumerator should write 1.

## Average Years Of Education For Typical Production Worker (l9a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-16

Valid cases: 363  
Invalid: 467

### Literal question

What is the average number of years of education of a typical permanent full-time production worker employed in this establishment?

Average number of years of education of typical production worker

### Interviewer instructions

INTERVIEWER: READ EACH CATEGORY

## Average number of yrs of education of typical female production worker (l9a2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-20

Valid cases: 119  
Invalid: 711

### Literal question

What is the average number of years of education of a typical permanent full-time production worker employed in this establishment?

Average number of years of education of typical female production worker

### Interviewer instructions

INTERVIEWER: READ EACH CATEGORY

## Number of permanent employees with University degree or higher (MNAI9a1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-429

Valid cases: 353  
Invalid: 477

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many full-time permanent employees in this establishment had the following as their highest education level?

## Number of permanent employees with completed secondary (incl. vocational) (MNAI9a2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-320

Valid cases: 353  
Invalid: 477

### Literal question

At the end of fiscal year [insert last complete fiscal year], how many full-time permanent employees in this establishment had the following as their highest education level?

## Formal Training Programs For Permanent, Full-time Employees In Last Fiscal Yr (I10)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 830  
Invalid: 0

### Literal question

Over fiscal year [insert last complete fiscal year], did this establishment have formal training programs for its permanent, full-time employees?

### Interviewer instructions

Formal training has a structured and defined curriculum. Formal training may include classroom work, seminars, lectures, workshops, and audio-visual presentations and demonstrations. This does not include training to familiarize employees with equipment and machinery on the shop floor, training aimed at familiarizing employees with the establishment's standard operation procedures, or employee orientation at the beginning of an employee's tenure. In-house training may be conducted by other non-supervisory employees of the establishment, the establishment's supervisors or managers, or the establishments training centers.

## # Permanent Full-time Production Employees Received Formal Training In Last FY (l11a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-115

Valid cases: 17  
Invalid: 813

### Literal question

Referring to the training programs run over fiscal year [insert last complete fiscal year], what percent of permanent, full-time employees of the following categories received formal training?  
Production full-time permanent employees trained

### Interviewer instructions

Percentage of production vs. non-production employees that were trained. Self-explanatory

## % Permanent Full-time Production Employees Received Formal Training In Last FY (l11b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-28

Valid cases: 5  
Invalid: 825

### Literal question

And how many or what percentage of Non-production full-time permanent employees received formal training?

### Interviewer instructions

Percentage of production vs. non-production employees that were trained. Self-explanatory

## # Full-time Non-Production Employees Received Formal Training In Last FY (l11c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-60

Valid cases: 17  
Invalid: 813

### Literal question

And how many or what percentage of Non-production full-time permanent employees received formal training?  
Non-production full-time permanent employees trained

## % Full-time Non-Production Employees Received Formal Training In Last FY (l11d)

File: Yemen\_2010\_2013\_Panel

## % Full-time Non-Production Employees Received Formal Training In Last FY (l11d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 5
Format: numeric	Invalid: 825
Width: 2	
Decimals: 0	
Range: -9-50	

### Literal question

And how many or what percentage of Non-production full-time permanent employees received formal training?  
Non-production full-time permanent employees trained

## How Much Of An Obstacle: Labor Regulations? (l30a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-4	

### Pre question

SHOW CARD

### Literal question

Using the response options on the card; To what degree are Labor Regulations an obstacle to the current operations of this establishment?

### Interviewer instructions

- 1) Self-explanatory
- 2) Sensitive question, no clarification can be offered

## How Much Of An Obstacle: Inadequately Educated Workforce? (l30b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-4	

### Pre question

SHOW CARD

### Literal question

Using the response options on the card; To what degree is an Inadequately Educated Workforce an obstacle to the current operations of this establishment?

### Interviewer instructions

- 1) Self-explanatory
- 2) Sensitive question, no clarification can be offered

## Biggest Obstacle Affecting The Operation Of This Establishment (m1a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-15	

### Literal question

By looking at card [insert card number] can you tell me which of the elements of the business environment included in the list, if any, currently represents the biggest obstacle faced by this establishment

### Interviewer instructions

INTERVIEWER: DO NOT READ OUT

## Rotation Order (m1d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-3	

### Literal question

By looking at card [insert card number] can you tell me which of the elements of the business environment included in the list, if any, currently represents the biggest obstacle faced by this establishment.

Rotation

## Total Labor Cost (Incl. Wages, Salaries, Bonuses, Etc) In Last Fiscal Year (n2a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 10	
Decimals: 0	
Range: -9-2381659904	

### Pre question

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:

Now, we would like to ask you a few questions about the financial results of this establishment. It is important that this information be as accurate as possible. The individual data are treated as confidential - the identity of your establishment will not be revealed at any point. Please provide the following information from the financial statements of this establishment.

2) SHOW CARD

### Literal question

From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information:

Total annual cost of labor (including wages, salaries, bonuses, social security payments)

### Interviewer instructions

## Total Labor Cost (Incl. Wages, Salaries, Bonuses, Etc) In Last Fiscal Year (n2a)

### File: Yemen\_2010\_2013\_Panel

Total cost of labor, including wages, salaries and benefits is the total annual wages and all annual benefits, including food, transport, social security (i.e. pensions, medical insurance, and unemployment insurance).

Raw materials and intermediate goods (M) is the cost of all inputs in the production activity. This is usually an item directly taken from the financial statements

Total annual cost of finished goods and materials purchased to resell: (S) is the cost of all finished goods and materials purchased to be resold.

Fuel (M) is the total annual cost of all fuels consumed for heat, power, transportation, or the generation of electricity. Do not include the estimated costs of fuels, such as sawdust or blast furnace gas, produced as a byproduct of your manufacturing activities. Include anthracite and bituminous coal, coke, natural and manufactured gas, fuel oil, liquefied petroleum gas, gasoline, and all other fuels, including purchased steam. Be sure to include fuel used to power delivery trucks, fork lifts, or other motor vehicles associated with the establishment.

Electricity is the total annual cost of electric energy purchased from public or private utility companies or received from other establishments that belong to the same firm. Exclude the value of electricity generated and used at this establishment.

Total annual depreciation is the amortization of fixed assets due to the wearing down and/or obsolescence

## Cost Of Raw Materials And Intermediate Goods Used In Prod. In Last Fiscal Year (n2e)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -9-21000000000

Valid cases: 373  
Invalid: 457

#### Pre question

1) SHOW CARD

#### Literal question

From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information:

Total annual cost of raw materials and intermediate goods used in production

#### Interviewer instructions

## Cost Of Raw Materials And Intermediate Goods Used In Prod. In Last Fiscal Year (n2e)

### File: Yemen\_2010\_2013\_Panel

Total cost of labor, including wages, salaries and benefits is the total annual wages and all annual benefits, including food, transport, social security (i.e. pensions, medical insurance, and unemployment insurance).

Raw materials and intermediate goods (M) is the cost of all inputs in the production activity. This is usually an item directly taken from the financial statements

Total annual cost of finished goods and materials purchased to resell: (S) is the cost of all finished goods and materials purchased to be resold.

Fuel (M) is the total annual cost of all fuels consumed for heat, power, transportation, or the generation of electricity. Do not include the estimated costs of fuels, such as sawdust or blast furnace gas, produced as a byproduct of your manufacturing activities. Include anthracite and bituminous coal, coke, natural and manufactured gas, fuel oil, liquefied petroleum gas, gasoline, and all other fuels, including purchased steam. Be sure to include fuel used to power delivery trucks, fork lifts, or other motor vehicles associated with the establishment.

Electricity is the total annual cost of electric energy purchased from public or private utility companies or received from other establishments that belong to the same firm. Exclude the value of electricity generated and used at this establishment.

Total annual depreciation is the amortization of fixed assets due to the wearing down and/or obsolescence

## Total Annual Costs Of Fuel In Last Fiscal Year (n2f)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -9-54799998976

Valid cases: 373  
Invalid: 457

#### Pre question

1) SHOW CARD

#### Literal question

From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information:

Total annual costs of fuel

#### Interviewer instructions

Total cost of labor, including wages, salaries and benefits is the total annual wages and all annual benefits, including food, transport, social security (i.e. pensions, medical insurance, and unemployment insurance).

Raw materials and intermediate goods (M) is the cost of all inputs in the production activity. This is usually an item directly taken from the financial statements

Total annual cost of finished goods and materials purchased to resell: (S) is the cost of all finished goods and materials purchased to be resold.

Fuel (M) is the total annual cost of all fuels consumed for heat, power, transportation, or the generation of electricity. Do not include the estimated costs of fuels, such as sawdust or blast furnace gas, produced as a byproduct of your manufacturing activities. Include anthracite and bituminous coal, coke, natural and manufactured gas, fuel oil, liquefied petroleum gas, gasoline, and all other fuels, including purchased steam. Be sure to include fuel used to power delivery trucks, fork lifts, or other motor vehicles associated with the establishment.

Electricity is the total annual cost of electric energy purchased from public or private utility companies or received from other establishments that belong to the same firm. Exclude the value of electricity generated and used at this establishment.

Total annual depreciation is the amortization of fixed assets due to the wearing down and/or obsolescence

## Total Annual Costs Of Electricity In Last Fiscal Year (n2b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 9  
Decimals: 0  
Range: -9-165000000

Valid cases: 830  
Invalid: 0

### Pre question

1) SHOW CARD

### Literal question

From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information:

Total annual costs of electricity

### Interviewer instructions

Total cost of labor, including wages, salaries and benefits is the total annual wages and all annual benefits, including food, transport, social security (i.e. pensions, medical insurance, and unemployment insurance).

Raw materials and intermediate goods (M) is the cost of all inputs in the production activity. This is usually an item directly taken from the financial statements

Total annual cost of finished goods and materials purchased to resell: (S) is the cost of all finished goods and materials purchased to be resold.

Fuel (M) is the total annual cost of all fuels consumed for heat, power, transportation, or the generation of electricity. Do not include the estimated costs of fuels, such as sawdust or blast furnace gas, produced as a byproduct of your manufacturing activities. Include anthracite and bituminous coal, coke, natural and manufactured gas, fuel oil, liquefied petroleum gas, gasoline, and all other fuels, including purchased steam. Be sure to include fuel used to power delivery trucks, fork lifts, or other motor vehicles associated with the establishment.

Electricity is the total annual cost of electric energy purchased from public or private utility companies or received from other establishments that belong to the same firm. Exclude the value of electricity generated and used at this establishment.

Total annual depreciation is the amortization of fixed assets due to the wearing down and/or obsolescence

## Total rental cost of machinery, vehicles and equipment (n2ra)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 8  
Decimals: 0  
Range: -9-12000000

Valid cases: 129  
Invalid: 701

### Literal question

From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information:

Total rental cost of machinery, vehicles and equipment

## Total rental cost of land and buildings (n2rb)

File: Yemen\_2010\_2013\_Panel

### Overview

## Total rental cost of land and buildings (n2rb)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 10  
Decimals: 0  
Range: -9-4250000000

Valid cases: 129  
Invalid: 701

### Literal question

From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information:

Total rental cost of land and buildings

## Total Annual Cost Of Finished Goods/Materials Bought To Resell In Last Fiscal Yr (n2i)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: -9-170000000000

Valid cases: 197  
Invalid: 633

### Pre question

1) SHOW CARD

### Literal question

From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information:

Total annual cost of finished goods/materials bought to resell

### Interviewer instructions

Total cost of labor, including wages, salaries and benefits is the total annual wages and all annual benefits, including food, transport, social security (i.e. pensions, medical insurance, and unemployment insurance).

Raw materials and intermediate goods (M) is the cost of all inputs in the production activity. This is usually an item directly taken from the financial statements

Total annual cost of finished goods and materials purchased to resell: (S) is the cost of all finished goods and materials purchased to be resold.

Fuel (M) is the total annual cost of all fuels consumed for heat, power, transportation, or the generation of electricity. Do not include the estimated costs of fuels, such as sawdust or blast furnace gas, produced as a byproduct of your manufacturing activities. Include anthracite and bituminous coal, coke, natural and manufactured gas, fuel oil, liquefied petroleum gas, gasoline, and all other fuels, including purchased steam. Be sure to include fuel used to power delivery trucks, fork lifts, or other motor vehicles associated with the establishment.

Electricity is the total annual cost of electric energy purchased from public or private utility companies or received from other establishments that belong to the same firm. Exclude the value of electricity generated and used at this establishment.

Total annual depreciation is the amortization of fixed assets due to the wearing down and/or obsolescence

## Other Cost Of Production (n2j)

File: Yemen\_2010\_2013\_Panel

### Overview

## Other Cost Of Production (n2j)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 10  
Decimals: 0  
Range: -9-1359324032

Valid cases: 374  
Invalid: 456

### Pre question

1) SHOW CARD

### Literal question

From this establishment's Income Statement for fiscal year [insert last complete fiscal year], please provide the following information:

Other cost of production not included above

## Net Book Value Of Machinery Vehicles, And Equipment In Last Fiscal Year (n6a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: -9-500000000000

Valid cases: 373  
Invalid: 457

### Literal question

At the end of fiscal year [insert last complete fiscal year], what was the net book value, that is the value of assets after depreciation, of the following:

Machinery, vehicles, and equipment

### Interviewer instructions

Net book value equals the purchase value minus depreciation.

The net book value represents the actual cost of assets at the time they were acquired, including all costs incurred in making the assets usable (such as transportation and installation) minus depreciation accumulated since the date of purchase. Included in the assets are all buildings, structures, machinery, and equipment (production, office, and transportation equipment) for which depreciation reserves are maintained. Accordingly, the value of assets at the end of the year includes the value of construction in progress.

## Net Book Value Of Land And Buildings In Last Fiscal Year (n6b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -9-12000000000

Valid cases: 373  
Invalid: 457

### Literal question

At the end of fiscal year [insert last complete fiscal year], what was the net book value, that is the value of assets after depreciation, of the following:

Land and buildings

### Interviewer instructions

## Net Book Value Of Land And Buildings In Last Fiscal Year (n6b)

### File: Yemen\_2010\_2013\_Panel

Net book value equals the purchase value minus depreciation.

The net book value represents the actual cost of assets at the time they were acquired, including all costs incurred in making the assets usable (such as transportation and installation) minus depreciation accumulated since the date of purchase. Included in the assets are all buildings, structures, machinery, and equipment (production, office, and transportation equipment) for which depreciation reserves are maintained. Accordingly, the value of assets at the end of the year includes the value of construction in progress.

## Cost For Establishment To Re-Purchase All Of Its Machinery (n7a)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete

Format: numeric

Width: 11

Decimals: 0

Range: -9-19000000000

Valid cases: 373

Invalid: 457

#### Literal question

Hypothetically, if this establishment were to purchase the assets it uses now, in their current condition, how much would they cost?

Machinery, vehicles, and equipment

#### Interviewer instructions

This question is designed to ascertain the market value of the establishment's assets. Data on equipment is the most important. You can ask the manager to estimate the market value if all of the equipment, land and buildings were sold on the open market. If the respondent states that there is no market, ask how much the respondent would be willing to pay for the capital, knowing what it can produce in its current condition. Estimate how much it would cost to buy machinery in the current market which is similar in terms of age and characteristics. This estimate is to give an indication of the capital intensity of the firm. Keep in mind that it is one of the most important questions on the questionnaire.

## Cost For Establishment To Re-Purchase All Of Its Land And Buildings (n7b)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete

Format: numeric

Width: 12

Decimals: 0

Range: -9-190000000000

Valid cases: 373

Invalid: 457

#### Literal question

Hypothetically, if this establishment were to purchase the assets it uses now, in their current condition and regardless of whether the establishment owns them or not, how much would they cost, independently of whether they are owned, rented or leased?

Land and buildings

#### Interviewer instructions

This question is designed to ascertain the market value of the establishment's assets. Data on equipment is the most important. You can ask the manager to estimate the market value if all of the equipment, land and buildings were sold on the open market. If the respondent states that there is no market, ask how much the respondent would be willing to pay for the capital, knowing what it can produce in its current condition. Estimate how much it would cost to buy machinery in the current market which is similar in terms of age and characteristics. This estimate is to give an indication of the capital intensity of the firm. Keep in mind that it is one of the most important questions on the questionnaire.

## value of total assets (MNAn8a)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: -9-218854000000

Valid cases: 353  
 Invalid: 477

**Literal question**

What was the value of the following at the end of the fiscal year [insert last complete fiscal year]:  
 Value of your total assets

## Is the top manager of the establishment also the owner (MNAa20)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -9-2

Valid cases: 353  
 Invalid: 477

**Literal question**

Is the top manager of this establishment also the owner of this establishment?

**Interviewer instructions**

INTERVIEWER: IF THE ANSWER IS MADE AVAILABLE IN THE INTERVIEW, CODE WITHOUTASKING QUESTION

## Number of respondents interviewed (A15a4)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-4

Valid cases: 353  
 Invalid: 477

**Literal question**

Information about the respondent for the innovation module

## Main Respondent Years Working In The Firm: (a15a2a)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-60

Valid cases: 830  
 Invalid: 0

**Pre question**

Please complete the following information about the interviewee(s)

**Literal question**

Information about the respondent for the innovation module

## Main respondent's yrs in the position (MNAa15a4a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 2	
Decimals: 0	
Range: 1-41	

### Pre question

Please complete the following information about the interviewee(s)

### Literal question

Information about the respondent for the innovation module

## Main Respondent Gender (a15a3a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 353
Format: numeric	Invalid: 477
Width: 1	
Decimals: 0	
Range: 1-2	

### Pre question

Please complete the following information about the interviewee(s)

### Literal question

Information about the respondent for the innovation module

## Second Respondent Years Working In The Firm: (a15a2b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 122
Format: numeric	Invalid: 708
Width: 2	
Decimals: 0	
Range: -7-45	

### Pre question

Please complete the following information about the interviewee(s)

### Literal question

Information about the respondent for the innovation module

## Second respondent's yrs in the position (MNAa15a4b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 51
Format: numeric	Invalid: 779
Width: 2	
Decimals: 0	
Range: -7-22	

### Pre question

## Second respondent's yrs in the position (MNAa15a4b)

File: Yemen\_2010\_2013\_Panel

Please complete the following information about the interviewee(s)

### Literal question

Information about the respondent for the innovation module

## Second Respondent Gender (a15a3b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -7-2

Valid cases: 51  
Invalid: 779

### Pre question

Please complete the following information about the interviewee(s)

### Literal question

Information about the respondent for the innovation module

## Third Respondent Years Working In The Firm: (a15a2c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -7-24

Valid cases: 4  
Invalid: 826

### Pre question

Please complete the following information about the interviewee(s)

### Literal question

Information about the respondent for the innovation module

## Third respondent's yrs in the position (MNAa15a4c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -7-24

Valid cases: 4  
Invalid: 826

### Pre question

Please complete the following information about the interviewee(s)

### Literal question

Information about the respondent for the innovation module

## Third Respondent Gender (a15a3c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 4
Format: numeric	Invalid: 826
Width: 2	
Decimals: 0	
Range: -7-2	

### Pre question

Please complete the following information about the interviewee(s)

### Literal question

Information about the respondent for the innovation module

## Fourth respondent's yrs with the firm (a15a2d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 0
Format: numeric	Invalid: 830
Width: 2	
Decimals: 0	
Range: -7-1	

### Literal question

Information about the respondent for the innovation module

## Foruth respondent's yrs in the position (MNAa15a4d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 0
Format: numeric	Invalid: 830
Width: 2	
Decimals: 0	
Range: -7-1	

### Literal question

Information about the respondent for the innovation module

## Fourth respondent's gender (a15a3d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 0
Format: numeric	Invalid: 830
Width: 2	
Decimals: 0	
Range: -7-2	

### Literal question

Information about the respondent for the innovation module

## Day (a15d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 31
Range: 1-31	Mean: 15.3
	Standard deviation: 9.7

### Literal question

Time face-to-face interview ends

## Month (a15m)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-12	

### Literal question

Time face-to-face interview ends

## Year (a15y)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: 2010-2014	

### Literal question

Time face-to-face interview ends

## Hour (a15h)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	Minimum: 0
Decimals: 0	Maximum: 23
Range: 0-23	Mean: 14.1
	Standard deviation: 3.5

### Literal question

Time face-to-face interview ends

## Minutes (a15min)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 830
Format: numeric	Invalid: 0
Width: 2	Minimum: 0
Decimals: 0	Maximum: 59
Range: 0-59	Mean: 26.6
	Standard deviation: 17.7

### Literal question

Time face-to-face interview ends

## Perception Of The Questions Regarding Opinions And Perceptions (a16)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-3	

### Pre question

INTERVIEWERS PLEASE ANSWER AT END OF THE INTERVIEW

### Literal question

It is my perception that the responses to the questions regarding opinions and perceptions:

## Responses To The Questions About Figures Are... (a17)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 830
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-4	

### Literal question

The responses to the questions regarding figures (productivity and employment numbers):

## proceed or refuse to answer innovation module (proceed\_refuse\_innovation)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 213
Format: numeric	Invalid: 617
Width: 1	
Decimals: 0	
Range: 3-4	

## Mode of questionnaire implementation (a23)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 198
Format: numeric	Invalid: 632
Width: 2	
Decimals: 0	
Range: -8-4	

## Mode of questionnaire implementation (Other) (a23x)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 0
Format: character	Invalid: 0
Width: 1	

## Time innovation module starts: Day (a14id)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 215
Format: numeric	Invalid: 615
Width: 2	Minimum: 1
Decimals: 0	Maximum: 31
Range: 1-31	Mean: 16.4
	Standard deviation: 9.1

## Time innovation module starts: Month (a14im)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 215
Format: numeric	Invalid: 615
Width: 2	
Decimals: 0	
Range: 1-12	

## Time innovation module starts: Year (a14iy)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 215
Format: numeric	Invalid: 615
Width: 4	
Decimals: 0	
Range: 2013-2014	

## Time innovation module starts: Hour (a14ih)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 7-23

Valid cases: 215  
 Invalid: 615

## Time innovation module starts: Minutes (a14imin)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-59

Valid cases: 215  
 Invalid: 615  
 Minimum: 0  
 Maximum: 59  
 Mean: 31  
 Standard deviation: 18

## No. of new/significantly improved products/services introduced over last 3 yrs (MNAo1a)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 6  
 Decimals: 0  
 Range: -9-800000

Valid cases: 132  
 Invalid: 698

**Pre question**

INTERVIEWER: PLEASE READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:

In our first interview, it was reported that this establishment had introduced a new or significantly improved product in the past three years. I would now like to ask some more questions related to that.

**Literal question**

During the last three years, how many new or significantly improved products did this establishment introduce in the market?

## Main new/significantly improved product/service (MNAo1bx)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: character  
 Width: 82

Valid cases: 101  
 Invalid: 0

**Literal question**

In fiscal year 2012, what was this establishment's main new or significantly improved product, that is, the new or significantly improved product that represented the largest proportion of annual sales (among all new or significantly improved products)?

## Main new /significantly improved product/service new to local market (MNAo2a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 97  
Invalid: 733

### Literal question

At the time of its introduction, was this establishment's main new or significantly improved product new to...?  
This establishment's local market

## Main new /significantly improved product/service new to national market (MNAo2b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 97  
Invalid: 733

### Literal question

At the time of its introduction, was this establishment's main new or significantly improved product new to...?  
Morocco

## Main new /significantly improved product/service new to international market (MNAo2c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 97  
Invalid: 733

### Literal question

At the time of its introduction, was this establishment's main new or significantly improved product new to...?  
International market

## New product/service: Added new functions to existing product/service (MNAo3a)

File: Yemen\_2010\_2013\_Panel

### Overview

## New product/service: Added new functions to existing product/service (MNAo3a)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 97  
Invalid: 733

### Literal question

Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other?

New product has added new functions to an existing product

## New product: Uses new materials/components that enhance its performance (MNAo3b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 40  
Invalid: 790

### Literal question

Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other?

New product uses new materials or components that enhance its performance compared to the existing product

## New product: Uses new technology (MNAo3c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 40  
Invalid: 790

### Literal question

Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other?

New product uses new technology

## New product: Looks different from the existing product (MNAo3d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 40  
Invalid: 790

### Literal question

## New product: Looks different from the existing product (MNAo3d)

### File: Yemen\_2010\_2013\_Panel

Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other?  
New product looks different from the existing product

## New product/service: Completely new to the establishment (MNAo3e)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 97  
Invalid: 733

#### Literal question

Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other?  
New product is completely new to the establishment

## New product/service: More efficient/easier to use (MNAo3g)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 59  
Invalid: 771

#### Literal question

Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other?

## New product/service: Cheaper to produce of offer (MNAo3h)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 97  
Invalid: 733

#### Literal question

Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other?  
New product is cheaper to produce compared to the existing product

## New product/service: Completed new function compared to the existing produce (MNAo3i)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 97
Format: numeric	Invalid: 733
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other?  
New product has completely new functions compared to the existing product

## New product/service: Other (MNAo3f)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 97
Format: numeric	Invalid: 733
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other?  
Other

## New product/service: Other specified (MNAo3fx)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 8
Format: character	Invalid: 0
Width: 34	

### Literal question

Please compare this main new or significantly improved product with the closest product already produced in this establishment. In what aspects are these two products different from each other?  
Other

## % annual sales accounted for by new or significantly improved products/services (MNAo4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 97
Format: numeric	Invalid: 733
Width: 3	
Decimals: 0	
Range: -9-100	

### Literal question

## % annual sales accounted for by new or significantly improved products/services (MNAo4)

File: Yemen\_2010\_2013\_Panel

In fiscal year 2012, what percentage of this establishment's total annual sales was accounted for by products that were introduced or significantly improved over the last three years?

## Way in which main new/significantly improved product/service introduced (MNAo5)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-9

Valid cases: 97  
Invalid: 733

### Literal question

Which of the following best describes the way in which the main new or significantly improved product was introduced or developed?

## Way in which main new/significantly improved product/service introduced (Other) (MNAo5x)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: character  
Width: 1

Valid cases: 0  
Invalid: 0

### Literal question

Which of the following best describes the way in which the main new or significantly improved product was introduced or developed?

## Reason to introduce - replace an old product (MNAhb13a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 97  
Invalid: 733

### Literal question

Does any of the following describe why this establishment introduced this main new or significantly improved product:  
To replace an old product sold by this establishment

## Reason to introduce - extend the range of products (MNAhb13d)

File: Yemen\_2010\_2013\_Panel

### Overview

## Reason to introduce - extend the range of products (MNAhb13d)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -9-2

Valid cases: 97  
 Invalid: 733

**Literal question**

Does any of the following describe why this establishment introduced this main new or significantly improved product:  
 To extend the range of products sold by this establishment

## Reason to introduce - open up new markets (MNAhb13e)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -9-2

Valid cases: 97  
 Invalid: 733

**Literal question**

Does any of the following describe why this establishment introduced this main new or significantly improved product:  
 To open up new markets or increase market share

## Reason to introduce - lower the cost (MNAhb13f)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -9-2

Valid cases: 97  
 Invalid: 733

**Literal question**

Does any of the following describe why this establishment introduced this main new or significantly improved product:  
 To lower the cost of production

## Reason to introduce - keep up with competition (MNAhb13g)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -9-2

Valid cases: 97  
 Invalid: 733

**Literal question**

Does any of the following describe why this establishment introduced this main new or significantly improved product:  
 To keep up with competition

## Reason to introduce - comply with regulation (MNAhb13h)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -9-2

Valid cases: 97  
 Invalid: 733

**Literal question**

Does any of the following describe why this establishment introduced this main new or significantly improved product:  
 To comply with regulations or standards

## Reason to introduce - deal with a decrease in the demand (MNAhb13i)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -9-2

Valid cases: 97  
 Invalid: 733

**Literal question**

Does any of the following describe why this establishment introduced this main new or significantly improved product:  
 To deal with a decrease in the demand for other products

## Purchase/license inventions, patent, know-how to offer new product/service? (MNAo6)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -9-2

Valid cases: 98  
 Invalid: 732

**Literal question**

Did the establishment have to purchase or license any inventions, patent or know-how in order to start producing this new or significantly improved product?

## The source of the latest invention, patent or know-how licensed or purchased from (hb23)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -9-5

Valid cases: 10  
 Invalid: 820

**Literal question**

The source of the latest invention, patent or know-how licensed or purchased from (hb23)

File: Yemen\_2010\_2013\_Panel

Was the latest invention, patent or know-how licensed or purchased from

Introduced new methods of supplying products/services over last 3 yrs (MNAo7a)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 142  
Invalid: 688

#### Pre question

INTERVIEWER: PLEASE READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:

In our first interview, it was reported that this establishment had introduced a new or significantly improved production or delivery methods in the past three years. I would now like to ask some more questions related to that.

#### Literal question

During the last three years, did this establishment introduce new or significantly improved:  
Production methods

Introduced new logistics, delivery, distribution methods over last 3 yrs (MNAo7b)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 142  
Invalid: 688

#### Literal question

During the last three years, did this establishment introduce new or significantly improved:  
Logistics, delivery or distribution methods for this establishment's inputs and/or products

Introduced new ancillary support services over last 3 yrs (MNAo7c)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 142  
Invalid: 688

#### Literal question

During the last three years, did this establishment introduce new or significantly improved:  
Ancillary support services, such as purchasing, accounting, computing and maintenance

## Most important new/significantly improved method of supplying products/services (MNAo8x)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete

Valid cases: 117

Format: character

Width: 131

### Literal question

Please give a short description of this establishment's most important new or significantly improved production or delivery method.

### Interviewer instructions

(INTERVIEWER: The most important production or delivery method innovation is the production or delivery method innovation that had the largest impact on the operations of the establishment.)

## New method of supplying products/services new to local market (MNAo9a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete

Valid cases: 107

Format: numeric

Invalid: 723

Width: 2

Decimals: 0

Range: -9-2

### Literal question

At the time of its introduction, was this establishment's main new or significantly improved production or delivery method new to other firms operating:  
In this establishment's local market

### Interviewer instructions

(INTERVIEWER: THESE MUST BE ASKED IN THE ORDER THEY APPEAR ON THE TABLE) (INTERVIEWER: A production or delivery method was new to the local market/[INSERT COUNTRY]/international market if the establishment was the only one using such production or delivery method in the local market/[INSERT COUNTRY]/international market at the time of its introduction.)

## New method of supplying products/services new to national market (MNAo9b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete

Valid cases: 107

Format: numeric

Invalid: 723

Width: 2

Decimals: 0

Range: -9-2

### Literal question

At the time of its introduction, was this establishment's main new or significantly improved production or delivery method new to other firms operating:  
In Morocco

### Interviewer instructions

(INTERVIEWER: THESE MUST BE ASKED IN THE ORDER THEY APPEAR ON THE TABLE) (INTERVIEWER: A production or delivery method was new to the local market/[INSERT COUNTRY]/international market if the establishment was the only one using such production or delivery method in the local market/[INSERT COUNTRY]/international market at the time of its introduction.)

## New method of supplying products/services new to international market (MNAo9c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 107
Format: numeric	Invalid: 723
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

At the time of its introduction, was this establishment's main new or significantly improved production or delivery method new to other firms operating in the international market

### Interviewer instructions

(INTERVIEWER: THESE MUST BE ASKED IN THE ORDER THEY APPEAR ON THE TABLE) (INTERVIEWER: A production or delivery method was new to the local market/[INSERT COUNTRY]/international market if the establishment was the only one using such production or delivery method in the local market/[INSERT COUNTRY]/international market at the time of its introduction.)

## New method of supplying products/services: change in techniques (MNAo10a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 107
Format: numeric	Invalid: 723
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Please compare this main new or significantly improved production or delivery method with the production or delivery method previously used by this establishment. Did it require significant changes in:  
Techniques

## New method of supplying products/services: change in machinery and equipment (MNAo10b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 107
Format: numeric	Invalid: 723
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Please compare this main new or significantly improved production or delivery method with the production or delivery method previously used by this establishment. Did it require significant changes in:  
Machinery and equipment

## New method of supplying products/services: change in software (MNAo10c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 107
Format: numeric	Invalid: 723
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Please compare this main new or significantly improved production or delivery method with the production or delivery method previously used by this establishment. Did it require significant changes in:  
Software

## New method of supplying products/services: management (MNAo10d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 107
Format: numeric	Invalid: 723
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Please compare this main new or significantly improved production or delivery method with the production or delivery method previously used by this establishment. Did it require significant changes in:  
Management

## Is this method similar to previous ones (MNAhc8)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 108
Format: numeric	Invalid: 722
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Is this main new or significantly improved process similar to any process that was or is being used by this establishment?

## How the main new improved process is different - automates manual process (MNAhc9a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 58
Format: numeric	Invalid: 772
Width: 2	
Decimals: 0	
Range: -9-2	

## How the main new improved process is different - automates manual process (MNAhc9a)

File: Yemen\_2010\_2013\_Panel

### Literal question

Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original?  
It automates manual processes, partially or fully

## How the main new improved process is different - lower costs (MNAhc9b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 58  
Invalid: 772

### Literal question

Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original?  
It lowers costs compared to the old process

## How the main new improved process is different - complements new machinery (MNAhc9c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 27  
Invalid: 803

### Literal question

Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original?  
It complements new machinery

## How the main new improved process is different - faster (MNAhc9d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 58  
Invalid: 772

### Literal question

## How the main new improved process is different - faster (MNAhc9d)

File: Yemen\_2010\_2013\_Panel

Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original?  
Is it faster than the old process

## How the main new improved process is different - Other (MNAhc9g)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 58  
Invalid: 772

### Literal question

Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original?  
Other

## How the main new improved process is different -Specify (MNAhc9gx)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: character  
Width: 58

Valid cases: 6  
Invalid: 0

### Literal question

Please compare this main new or significantly improved process with the process that was used for the same purpose in this establishment. In what aspects is this main new or significantly improved process different from the original?  
Other (specify)

## Way of intro of main new/significantly improved production/delivery method (MNAo11)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-9

Valid cases: 107  
Invalid: 723

### Literal question

Which of the following best describes the way in which this establishment introduced or developed the main new or significantly improved production or delivery method?

## Way of intro of main new/significantly improved production/delivery method (Oth) (MNAo11x)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: character  
Width: 71

Valid cases: 3  
Invalid: 0

### Literal question

Which of the following best describes the way in which this establishment introduced or developed the main new or significantly improved production or delivery method?

## The reason to introduce - raise the quality of products (hc16b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 50  
Invalid: 780

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To raise the quality of products sold by this establishment

## The reason to introduce - raise the volume of products or service (hc16c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 50  
Invalid: 780

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To raise the volume of products sold or services offered

## The reason to introduce - extend the range of products (hc16d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 50  
Invalid: 780

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To extend the range of products sold by this establishment

## The reason to introduce - open up new market or increase the share (hc16e)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 50
Format: numeric	Invalid: 780
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To open up new markets or increase market share

## The reason to introduce - lower the cost of production (hc16f)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 50
Format: numeric	Invalid: 780
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To lower the cost of production

## The reason to introduce - keep up with competition (hc16g)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 50
Format: numeric	Invalid: 780
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To keep up with competition

## The reason to introduce -comply with regulations or standards (hc16h)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 50
Format: numeric	Invalid: 780
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

## The reason to introduce -comply with regulations or standards (hc16h)

File: Yemen\_2010\_2013\_Panel

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To comply with regulations or standards

## The reason to introduce - raise flexibility or speed of the production (hc16j)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 50
Format: numeric	Invalid: 780
Width: 2	
Decimals: 0	
Range: -9-9	

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To raise the flexibility or speed of production

## The reason to introduce - raise the quality of products or service (MNAhc16b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 57
Format: numeric	Invalid: 773
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To raise the quality of products sold or services offered by this establishment

## The reason to introduce - raise the volume of products or service (MNAhc16c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 57
Format: numeric	Invalid: 773
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To raise the volume of products sold or services offered

## The reason to introduce - extend the range of the products or service (MNAhc16d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 57
Format: numeric	Invalid: 773
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To extend the range of products sold or services offered by this establishment

## The reason to introduce - open up new market or increase the share (MNAhc16e)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 57
Format: numeric	Invalid: 773
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To open up new markets or increase market share

## The reason to introduce - lower the cost of offering the service (MNAhc16f)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 57
Format: numeric	Invalid: 773
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To lower the cost of offering services

## The reason to introduce - keeo with competition (MNAhc16g)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 57
Format: numeric	Invalid: 773
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

## The reason to introduce - keeo with competition (MNAhc16g)

File: Yemen\_2010\_2013\_Panel

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To keep up with competition

## The reason to introduce - comply with regulation or standards (MNAhc16h)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 57  
Invalid: 773

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To comply with regulations or standards

## The reason to introduce - raise the flexibility (MNAhc16j)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 57  
Invalid: 773

### Literal question

Does any of the following describe why this establishment introduced the main new or significantly improved process?  
To raise the flexibility or speed of selling products or offering services

## Purchase/license inventions, patent, know-how to apply new process method? (MNAo12)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 107  
Invalid: 723

### Literal question

Did the establishment have to purchase or license any inventions, patent or know-how in order to apply this new production or delivery method?

## Technology compared to the technology of establishment's main competitor (MNAo13)

File: Yemen\_2010\_2013\_Panel

## Technology compared to the technology of establishment's main competitor (MNAo13)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 51
Format: numeric	Invalid: 779
Width: 2	
Decimals: 0	
Range: -9-3	

### Literal question

Thinking of this establishment's main product line and comparing this establishment's technology with that of its main competitor, which of the following best summarizes your position?

## New knowledge management systems (MNAo14a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 104
Format: numeric	Invalid: 726
Width: 2	
Decimals: 0	
Range: -9-2	

### Pre question

INTERVIEWER: PLEASE READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:

In our first interview, it was reported that this establishment had introduced a new or significantly improved organizational or management practices or structures in the past three years. I would now like to ask some more questions related to that.

### Literal question

During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time?

New knowledge management systems to better use or exchange information, knowledge and skills within the establishment

## Introduction of management systems for general production or supply operations (MNAo14b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 104
Format: numeric	Invalid: 726
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time?

Introduction of management systems for general production or supply operations (such as supply chain management systems, lean production, business reengineering, quality management systems)

## New methods for distributing responsibilities, decision making among employees (MNAo14c)

File: Yemen\_2010\_2013\_Panel

## New methods for distributing responsibilities, decision making among employees (MNAo14c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 104  
Invalid: 726

### Literal question

During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time?

New methods for distributing responsibilities and decision making among employees

## Significant change to the management structure of the establishment (MNAo14d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 104  
Invalid: 726

### Literal question

During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time?

A significant change to the management structure of the establishment (such as creating new divisions or departments, integrating different departments or activities)

## New types of collaborations with businesses, research organisations, consumers (MNAo14e)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 104  
Invalid: 726

### Literal question

During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time?

New types of collaborations with other businesses, research organizations or consumers

## Outsourcing, subcontracting of business activities for the first time (MNAo14f)

File: Yemen\_2010\_2013\_Panel

### Overview

## Outsourcing, subcontracting of business activities for the first time (MNAo14f)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 104  
Invalid: 726

### Literal question

During the last three years, did this establishment introduce new or significantly improved organizational methods in the following areas for the first time?  
Outsourcing or subcontracting of business activities in production, procurement, distribution, recruiting or ancillary services

## Significant changes in the product's appearance (MNAo15a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 102  
Invalid: 728

### Pre question

INTERVIEWER: PLEASE READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:  
In our first interview, it was reported that this establishment had introduced a new or significantly improved marketing methods in the past three years. I would now like to ask some more questions related to that.

### Literal question

During the last three years, did this establishment introduce new or significantly improved marketing methods in the following areas for the first time?  
Significant changes in the product's appearance

## Introduction of a new method of advertising or product promotion (MNAo15b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 102  
Invalid: 728

### Literal question

During the last three years, did this establishment introduce new or significantly improved marketing methods in the following areas for the first time?  
Introduction of a new method of advertising or product promotion (such as use of a new media for advertising, a new brand image or logo, a new trademark)

## Introduction of a new method of product placement or sales channels (MNAo15c)

File: Yemen\_2010\_2013\_Panel

### Overview

## Introduction of a new method of product placement or sales channels (MNAo15c)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 102  
Invalid: 728

### Literal question

During the last three years, did this establishment introduce new or significantly improved marketing methods in the following areas for the first time?

Introduction of a new method of product placement or sales channels (such as product licensing, franchising, direct selling, exclusive retailing, tailoring or customizing the presentation of the product to different types of customers)

## New pricing strategies to market the establishment's goods or services (MNAo15d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 102  
Invalid: 728

### Literal question

During the last three years, did this establishment introduce new or significantly improved marketing methods in the following areas for the first time?

New pricing strategies to market the establishment's goods or services, excluding pricing methods used solely to differentiate prices by customer segments

## Spending on R&D within establishment over last 3 yrs? (MNAo16)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 43  
Invalid: 787

### Pre question

INTERVIEWER: PLEASE READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:

I would now like to ask you questions related to spending on research and development activities.

### Literal question

During the last three years did this establishment spend on research and development activities within the establishment?

### Interviewer instructions

(INTERVIEWER: Research and development (R&D) is defined as creative work undertaken on a systematic basis in order to increase the stock of knowledge. For example, laboratory research for a new chemical compound of paint would be research and development while market research surveys or internet surfing would not be research and development.)

## Expenditures on R&D within establishment in last fiscal yr (LCU) (MNAo17)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 27
Format: numeric	Invalid: 803
Width: 8	
Decimals: 0	
Range: -9-30000000	

### Literal question

In fiscal year 2012, how much did this establishment spend on research and development activities performed within this establishment? Please include personnel cost, materials and purchase of fixed assets.

## Spending on R&D contracted with other companies over last 3 yrs? (MNAo18)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 43
Format: numeric	Invalid: 787
Width: 2	
Decimals: 0	
Range: -9-2	

### Literal question

During the last three years, did this establishment spend on research and development activities contracted with other companies?

## Expenditures on R&D contracted with other companies in last fiscal yr (LCU) (MNAo19)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 18
Format: numeric	Invalid: 812
Width: 8	
Decimals: 0	
Range: -9-12000000	

### Literal question

In fiscal year 2012, how much did this establishment spend on research and development activities contracted with other companies?

## Spending on acquisition of external knowledge over last 3 yrs? (MNAo20)

File: Yemen\_2010\_2013\_Panel

### Overview

## Spending on acquisition of external knowledge over last 3 yrs? (MNAo20)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 198  
Invalid: 632

### Pre question

INTERVIEWER: PLEASE READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:  
I would now like to ask you questions related to the acquisition of external knowledge and use of computers.

### Literal question

During the last three years, did this establishment spend on the acquisition of external knowledge? This includes purchase or licensing of patents and non-patented inventions, know-how and other types of knowledge from other businesses or organizations.

## Source of purchase or license of the latest invention, patent or know-how (MNAo21)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-5

Valid cases: 26  
Invalid: 804

### Literal question

Was the latest invention, patent or know-how licensed or purchased from:

## % of workforce that regularly used PCs in their jobs at end last fiscal yr (MNAo22a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 198  
Invalid: 632

### Literal question

At the end of fiscal year 2012, what percent of this establishment's workforce regularly used personal computers in their jobs?

## % of workforce that regularly used PCs in their jobs 3 fiscal yrs ago (MNAo22b)

File: Yemen\_2010\_2013\_Panel

### Overview

## % of workforce that regularly used PCs in their jobs 3 fiscal yrs ago (MNAo22b)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 198  
Invalid: 632

### Literal question

Three fiscal years ago, at the end of fiscal year 2009, what percent of this establishment's workforce regularly used personal computers in their jobs?

## Ever been granted a patent? (MNAo23a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 198  
Invalid: 632

### Pre question

INTERVIEWER: PLEASE READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:  
I would now like to ask you questions related to protection of innovation.

### Literal question

Has this establishment ever been granted a patent?

## Apply for a patent/trademark over last 3 yrs? (MNAo23b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 198  
Invalid: 632

### Literal question

During the last three years, did this establishment apply for a patent or a trademark?

## Country/countries where establishment applied for a patent/trademark (MNAo23cx)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: character  
Width: 47

Valid cases: 39  
Invalid: 0

### Literal question

During the last three years, in which country or countries did this establishment apply for a patent or a trademark?

## Granted a patent/trademark over last 3yrs? (MNAo23d)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 39  
Invalid: 791

### Literal question

During the last three years, has this establishment been granted a patent or a trademark?

## Dealing with problems in the production process over last fiscal yr (MNAr1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 56  
Invalid: 774

### Pre question

INTERVIEWER: PLEASE READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:  
And now I would like to ask you about management practices in this establishment.

### Literal question

Over the last complete fiscal year 2012, what best describes what happened at this establishment when a problem in the production process arose?

## Number of production performance indicators monitored over last fiscal yr (MNAr2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 56  
Invalid: 774

### Literal question

Over the last complete fiscal year 2012, how many production performance indicators were monitored at this establishment?

## Time frame of production targets over last fiscal yr (MNAr6)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 56  
Invalid: 774

## Time frame of production targets over last fiscal yr (MNAr6)

File: Yemen\_2010\_2013\_Panel

### Literal question

Over the last complete fiscal year 2012, what best describes the time frame of production targets at this establishment?  
Examples of production targets are: production, quality, efficiency, waste, on-time delivery.

## Achievement of production targets over last fiscal yr (MNAr7)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-5

Valid cases: 53  
Invalid: 777

### Literal question

Over the last complete fiscal year 2012, how easy or difficult was it for this establishment to achieve its production targets?

## Awareness of production targets over last fiscal yr (MNAr8)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 53  
Invalid: 777

### Literal question

Over the last complete fiscal year 2012, who was aware of the production targets at this establishment?

## Basis for managers' performance bonuses over last fiscal yr (MNAr11)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-5

Valid cases: 56  
Invalid: 774

### Literal question

Over the last complete fiscal year 2012, what were managers' performance bonuses usually based on?

### Interviewer instructions

INTERVIEWER: INCLUDE ANY TYPE OF TARGET, INCLUDING TARGETS BASED ON PRODUCTION, SALES, THE FIRM'S STOCK PRICE, ETC.

## Primary way of promoting non-managers over last fiscal yr (MNAr13)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 56
Format: numeric	Invalid: 774
Width: 2	
Decimals: 0	
Range: -9-4	

### Literal question

Over the last complete fiscal year 2012, what was the primary way non-managers were promoted at this establishment?

## Reassignment/dismissal of under-performing non-manager over last fiscal yr (MNAr15)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 56
Format: numeric	Invalid: 774
Width: 2	
Decimals: 0	
Range: -9-3	

### Literal question

Over the last complete fiscal year 2012, when was an under-performing non-manager reassigned or dismissed?

## Time innovation module ends: Day (a15id)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 198
Format: numeric	Invalid: 632
Width: 2	Minimum: 1
Decimals: 0	Maximum: 31
Range: 1-31	Mean: 16.4
	Standard deviation: 8.9

## Time innovation module ends: Month (a15im)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 198
Format: numeric	Invalid: 632
Width: 2	
Decimals: 0	
Range: 1-12	

## Time innovation module ends: Year (a15iy)

File: Yemen\_2010\_2013\_Panel

## Time innovation module ends: Year (a15iy)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 198
Format: numeric	Invalid: 632
Width: 4	
Decimals: 0	
Range: 2013-2014	

## Time innovation module ends: Hour (a15ih)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 198
Format: numeric	Invalid: 632
Width: 2	Minimum: 0
Decimals: 0	Maximum: 23
Range: 0-23	Mean: 13.1
	Standard deviation: 3.4

## Time innovation module ends: Minutes (a15imin)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 198
Format: numeric	Invalid: 632
Width: 2	Minimum: 0
Decimals: 0	Maximum: 59
Range: 0-59	Mean: 30.3
	Standard deviation: 17.6

## Innovation module respondent same as main questionnaire respondent? (a24)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 196
Format: numeric	Invalid: 634
Width: 2	
Decimals: 0	
Range: -9-2	

## Weight according to strict eligibility (wstrict)

File: Yemen\_2010\_2013\_Panel

**Overview**

## Weight according to strict eligibility (wstrict)

File: Yemen\_2010\_2013\_Panel

Type: Continuous  
 Format: numeric  
 Width: 17  
 Decimals: 0  
 Range: 0.272416293621063-265.523335731766

Valid cases: 830  
 Invalid: 0  
 Minimum: 0.3  
 Maximum: 265.5  
 Mean: 12.2  
 Standard deviation: 28.9

## Weight according to median eligibility (wmedian)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous  
 Format: numeric  
 Width: 17  
 Decimals: 0  
 Range: 0.298742383718491-306.567337962357

Valid cases: 830  
 Invalid: 0  
 Minimum: 0.3  
 Maximum: 306.6  
 Mean: 14  
 Standard deviation: 33.5

## Weight according to weak eligibility (wweak)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous  
 Format: numeric  
 Width: 17  
 Decimals: 0  
 Range: 0.266548544168472-596.221972300064

Valid cases: 830  
 Invalid: 0  
 Minimum: 0.3  
 Maximum: 596.2  
 Mean: 23.5  
 Standard deviation: 55.6

## group(a2 a4anew a6a panel) (strata)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-87

Valid cases: 830  
 Invalid: 0  
 Minimum: 1  
 Maximum: 87  
 Mean: 35.6  
 Standard deviation: 24.9

## (V420)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous  
 Format: numeric  
 Width: 3  
 Decimals: 0  
 Range: -9-100

Valid cases: 73  
 Invalid: 757  
 Minimum: -9  
 Maximum: 100  
 Mean: 31.7  
 Standard deviation: 32.6

(V421)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 73
Format: numeric	Invalid: 757
Width: 3	Minimum: -9
Decimals: 0	Maximum: 100
Range: -9-100	Mean: 35.1
	Standard deviation: 36.5

(k3bc)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 830
Format: numeric	Invalid: 0
Width: 3	Minimum: -9
Decimals: 0	Maximum: 100
Range: -9-100	Mean: 4.2
	Standard deviation: 15.1

(k5bc)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 329
Format: numeric	Invalid: 501
Width: 3	Minimum: -9
Decimals: 0	Maximum: 100
Range: -9-100	Mean: 5.4
	Standard deviation: 19.9

(19b)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 597
Format: numeric	Invalid: 233
Width: 3	Minimum: -9
Decimals: 0	Maximum: 320
Range: -9-320	Mean: 19.5
	Standard deviation: 33.9

Interview number (id)

File: Yemen\_2010\_2013\_Panel

**Overview**

## Interview number (id)

### File: Yemen\_2010\_2013\_Panel

Type: Continuous  
 Format: numeric  
 Width: 6  
 Decimals: 0  
 Range: 3409-289419

Valid cases: 477  
 Invalid: 353  
 Minimum: 3409  
 Maximum: 289419  
 Mean: 141407.2  
 Standard deviation: 86198

## a.1a Language (V426)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-1

Valid cases: 477  
 Invalid: 353

## a.2 Sampling Region (V427)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-6

Valid cases: 477  
 Invalid: 353

## a.3a Screener Region (V428)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-7

Valid cases: 477  
 Invalid: 353

## a.3 size of locality (V429)

### File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-5

Valid cases: 477  
 Invalid: 353

## a.4.a Industry Samplig Sector (V430)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	Minimum: 2
Decimals: 0	Maximum: 60
Range: 2-60	Mean: 35.9
	Standard deviation: 17.6

## a.4.b Industry Screener Sector (V431)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	Minimum: 2
Decimals: 0	Maximum: 60
Range: 2-60	Mean: 35.8
	Standard deviation: 17.5

## a.7 Est. part of a large firm (a7)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 1	
Decimals: 0	
Range: 1-2	

## a.7a Number of Establishments that the firm have in Yemen (V433)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	Minimum: 1
Decimals: 0	Maximum: 35
Range: 1-35	Mean: 2.7
	Standard deviation: 4.5

## YEa7b Any outlets in other countries? (YEa7b)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -9-2	

## a.8 Type of Est. (V435)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -7-4	

## a.9 Est. FS separate from HQ's (V436)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -7-2	

## a.10 Est. FS separate from other est. (V437)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -7-2	

## a.11 If HQ, FS independent of the rest of est. (V438)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -7-2	

## a.12 Interviewer Number (V439)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	Minimum: 1
Decimals: 0	Maximum: 25
Range: 1-25	Mean: 10.8
	Standard deviation: 6.8

## a.13 Supervisor Number (a13)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 1	
Decimals: 0	
Range: 1-4	

## YEb3 describe the largest shareholder or owner in the firm? (YEb3)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 158
Format: numeric	Invalid: 672
Width: 2	
Decimals: 0	
Range: -9-10	

## YEb7b Educational qualification of Top Manager? (YEb7b)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -9-5	

## What was the generator's original cost to your establishment in YR? (YEc10)

File: Yemen\_2010\_2013\_Panel

**Overview**

Type: Continuous	Valid cases: 175
Format: numeric	Invalid: 655
Width: 9	Minimum: -9
Decimals: 0	Maximum: 540000000
Range: -9-540000000	Mean: 12446182.4
	Standard deviation: 47771384.4

## Loss as percentage of total annual sales due to insufficient water supply (YEc18a)

File: Yemen\_2010\_2013\_Panel

**Overview**

## Loss as percentage of total annual sales due to insufficient water supply (YEc18a)

File: Yemen\_2010\_2013\_Panel

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-70

Valid cases: 27  
Invalid: 803  
Minimum: -9  
Maximum: 70  
Mean: 5.9  
Standard deviation: 14.9

## Annual losses due to insufficient water supply (YEc18b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous  
Format: numeric  
Width: 8  
Decimals: 0  
Range: -9-10000000

Valid cases: 15  
Invalid: 815  
Minimum: -9  
Maximum: 10000000  
Mean: 908999.4  
Standard deviation: 2570411.3

## Over the last two years, did this establishment submit an application to obtain (c19)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 477  
Invalid: 353

## In reference to that application for a telephone connection, approximately how m (c20)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: -6-1460

Valid cases: 57  
Invalid: 773  
Minimum: -6  
Maximum: 1460  
Mean: 62.2  
Standard deviation: 212.8

## In reference to that application for a telephone connection, was an informal gif (c21)

File: Yemen\_2010\_2013\_Panel

### Overview

In reference to that application for a telephone connection, was an informal gif (c21)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 57  
Invalid: 773

Does this establishment have a high-speed Internet connection on its premises? (c23)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 477  
Invalid: 353

Make purchases for this establishment (c24b)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 131  
Invalid: 699

Deliver services to this establishment's clients (c24c)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 131  
Invalid: 699

Do research and develop ideas on new products and services (c24d)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 131  
Invalid: 699

The majority of cell phones used for the operations of the establishment are? (c29)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 368
Format: numeric	Invalid: 462
Width: 2	
Decimals: 0	
Range: -9-4	

Is your establishment a member of a business association or chamber of commerce? (YEc31)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -9-2	

Which of the following is the most influential on new government laws or regulat (YEc32)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -9-7	

Government and public sector establishments (YEd2b1)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 3	Minimum: -9
Decimals: 0	Maximum: 100
Range: -9-100	Mean: 8.4
	Standard deviation: 17.7

Large domestic private firms (YEd2b2)

File: Yemen\_2010\_2013\_Panel

#### Overview

## Large domestic private firms (YEd2b2)

File: Yemen\_2010\_2013\_Panel

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 3	Minimum: -9
Decimals: 0	Maximum: 100
Range: -9-100	Mean: 20.1
	Standard deviation: 30.9

## Other (YEd2b3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 3	Minimum: -9
Decimals: 0	Maximum: 100
Range: -9-100	Mean: 68.9
	Standard deviation: 38.7

## In fiscal year 2009, when this establishment imported goods directly, was an inf (YEd15)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 66
Format: numeric	Invalid: 764
Width: 2	
Decimals: 0	
Range: -9-2	

## In fiscal year 2009, for the main market in which this establishment sold its ma (e2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 239
Format: numeric	Invalid: 591
Width: 2	
Decimals: 0	
Range: -9-4	

## Does this establishment have any patents registered abroad? (e7a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 244
Format: numeric	Invalid: 586
Width: 2	
Decimals: 0	
Range: -9-2	

Does this establishment have any patents registered in Yemen?  
(e7b)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 244
Format: numeric	Invalid: 586
Width: 2	
Decimals: 0	
Range: -9-2	

Regarding capacity, what are your establishment's intentions over the next two y (YEe14a)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -9-3	

By how much does this establishment expect to change capacity?  
(YEe14b)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 339
Format: numeric	Invalid: 491
Width: 3	Minimum: -9
Decimals: 0	Maximum: 100
Range: -9-100	Mean: 34.7
	Standard deviation: 28.4

Developed a new product line (YEe15a)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 1	
Decimals: 0	
Range: 1-2	

Upgraded an existing product line (YEe15b)

File: Yemen\_2010\_2013\_Panel

#### Overview

## Upgraded an existing product line (YEE15b)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 477  
Invalid: 353

## Obtained a new licensing agreement (YEE15c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 477  
Invalid: 353

## Who is the owner of the land in which this firm operates? (YEG1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-5

Valid cases: 477  
Invalid: 353

## Regarding the land that is owned, how was it acquired? (YEG2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-4

Valid cases: 203  
Invalid: 627

## Is there an ownership title? (YEG3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-2

Valid cases: 203  
Invalid: 627

## Did a land dispute take place recently? (YEg4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-4

Valid cases: 203  
Invalid: 627

## Regarding the latest land dispute, how long did it take to be resolved? (YEg5)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-4

Valid cases: 19  
Invalid: 811

## How was the dispute ended? (YEg6)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-5

Valid cases: 19  
Invalid: 811

## In the last three years, has this establishment acquired or attempted to acquire (g7)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 91  
Invalid: 739

## In the last three years, has this establishment been successful in acquiring lan (g8a)

File: Yemen\_2010\_2013\_Panel

### Overview

In the last three years, has this establishment been successful in acquiring lan (g8a)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 32  
Invalid: 798

Paid for before the delivery? - as a proportion of the value of total annual pur (k1a)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 477  
Invalid: 353  
Minimum: -9  
Maximum: 100  
Mean: 13.7  
Standard deviation: 25.8

Paid for on delivery? - as a proportion of the value of total annual purchases o (k1b)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 477  
Invalid: 353  
Minimum: -9  
Maximum: 100  
Mean: 42.8  
Standard deviation: 40.2

Paid for before the delivery? - as percentage of total annual sales of its goods (k2a)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 477  
Invalid: 353  
Minimum: -9  
Maximum: 100  
Mean: 11.1  
Standard deviation: 21.1

Paid for on delivery? - as percentage of total annual sales of its goods or serv (k2b)

File: Yemen\_2010\_2013\_Panel

Paid for on delivery? - as percentage of total annual sales of its goods or serv (k2b)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 3	Minimum: -9
Decimals: 0	Maximum: 100
Range: -9-100	Mean: 44.7
	Standard deviation: 37.6

On average over the last year, what percent of these sales were not paid within (YEk1)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 3	Minimum: 0
Decimals: 0	Maximum: 100
Range: 0-100	Mean: 17.8
	Standard deviation: 23.9

Over the last two years, what percent of your establishment's disputes over over (YEk3)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 3	Minimum: 0
Decimals: 0	Maximum: 100
Range: 0-100	Mean: 2
	Standard deviation: 8.5

Over the last two years, on average, how many months did those court cases take (YEk4)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 71
Format: numeric	Invalid: 759
Width: 2	Minimum: 1
Decimals: 0	Maximum: 36
Range: 1-36	Mean: 8.2
	Standard deviation: 8.1

Were the majority of the decisions of the court, whether in your favor or not, e (YEk5)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 71  
Invalid: 759

Is Cost of financing a obstacle (scale 0-4) to the current operations of this es (YEk30a)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-4

Valid cases: 477  
Invalid: 353

Percentage of total sales would you estimate the typical establishment in your s (YEj2a)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 477  
Invalid: 353  
Minimum: -9  
Maximum: 100  
Mean: 26.6  
Standard deviation: 40.9

Percentage of total workforce that is reported for purposes of payroll taxes and (YEj2b)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-100

Valid cases: 477  
Invalid: 353  
Minimum: -9  
Maximum: 100  
Mean: 31  
Standard deviation: 43.8

Number of times - Labor and social security (YEj8a1)

File: Yemen\_2010\_2013\_Panel

#### Overview

## Number of times - Labor and social security (YEj8a1)

File: Yemen\_2010\_2013\_Panel

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	Minimum: 0
Decimals: 0	Maximum: 90
Range: 0-90	Mean: 1.7
	Standard deviation: 5.3

## Informal gift or payment - Labor and social security (YEj8b1)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -9-2	

## Number of times - Fire and building safety (YEj8a2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	Minimum: 0
Decimals: 0	Maximum: 90
Range: 0-90	Mean: 1.4
	Standard deviation: 4.9

## Informal gift or payment - Fire and building safety (YEj8b2)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -9-2	

## Number of times - Sanitation/epidemiology/environmental (YEj8a3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 3	Minimum: 0
Decimals: 0	Maximum: 200
Range: 0-200	Mean: 6.8
	Standard deviation: 22

## Informal gift or payment - Sanitation/epidemiology/environmental (YEj8b3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -9-2	

## Number of times - Municipal police (YEj8a4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 3	Minimum: 0
Decimals: 0	Maximum: 340
Range: 0-340	Mean: 14.3
	Standard deviation: 35.4

## Informal gift or payment - Municipal police (YEj8b4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -9-2	

## Number of times - Total, all agencies (YEj8a5)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 3	Minimum: 0
Decimals: 0	Maximum: 504
Range: 0-504	Mean: 24.2
	Standard deviation: 49.6

## Within the next 2 years do you expect your establishment to: (YEI5)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 2	
Decimals: 0	
Range: -9-3	

At the end of fiscal year 2009, how many full-time temporary employees in this e (YE18)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 229
Format: numeric	Invalid: 601
Width: 3	Minimum: -9
Decimals: 0	Maximum: 120
Range: -9-120	Mean: 1.6
	Standard deviation: 9.1

Female- Percentage of full time permanent workers who completed university educa (YE19b1)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 244
Format: numeric	Invalid: 586
Width: 3	Minimum: 0
Decimals: 0	Maximum: 100
Range: 0-100	Mean: 4.1
	Standard deviation: 16.1

Male- Percentage of full time permanent workers who completed university educati (YE19b2)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 244
Format: numeric	Invalid: 586
Width: 3	Minimum: 0
Decimals: 0	Maximum: 100
Range: 0-100	Mean: 11.8
	Standard deviation: 18.7

Female- Percentage of full time permanent workers who completed secondary educat (YE19b3)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous	Valid cases: 244
Format: numeric	Invalid: 586
Width: 3	Minimum: 0
Decimals: 0	Maximum: 100
Range: 0-100	Mean: 6
	Standard deviation: 19.2

## Male- Percentage of full time permanent workers who completed secondary educatio (YE19b4)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 244
Format: numeric	Invalid: 586
Width: 3	Minimum: 0
Decimals: 0	Maximum: 100
Range: 0-100	Mean: 29.3
	Standard deviation: 26.6

## Female- Percentage of full time permanent workers who completed primary educatio (YE19b5)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 244
Format: numeric	Invalid: 586
Width: 3	Minimum: 0
Decimals: 0	Maximum: 100
Range: 0-100	Mean: 3.2
	Standard deviation: 13.9

## Male- Percentage of full time permanent workers who completed primary education? (YE19b6)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 244
Format: numeric	Invalid: 586
Width: 3	Minimum: 0
Decimals: 0	Maximum: 100
Range: 0-100	Mean: 37.3
	Standard deviation: 33.8

## Female- Percentage of full time permanent workers who did not complete primary e (YE19b7)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 244
Format: numeric	Invalid: 586
Width: 3	Minimum: 0
Decimals: 0	Maximum: 100
Range: 0-100	Mean: 1.8
	Standard deviation: 11.4

## Male- Percentage of full time permanent workers who did not complete primary edu (YE19b8)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 244
Format: numeric	Invalid: 586
Width: 3	Minimum: 0
Decimals: 0	Maximum: 100
Range: 0-100	Mean: 20
	Standard deviation: 30.5

## How many of your permanent skilled, professional, or managerial workers are fore (YE113)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 477
Format: numeric	Invalid: 353
Width: 3	Minimum: -9
Decimals: 0	Maximum: 110
Range: -9-110	Mean: 1.2
	Standard deviation: 6.4

## How many weeks did it take to fill your most recent vacancy through external rec (YE114a)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 244
Format: numeric	Invalid: 586
Width: 2	Minimum: -9
Decimals: 0	Maximum: 48
Range: -9-48	Mean: 2.5
	Standard deviation: 6.9

## How many weeks did it take to fill your most recent vacancy through external rec (YE114b)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 244
Format: numeric	Invalid: 586
Width: 2	Minimum: -9
Decimals: 0	Maximum: 30
Range: -9-30	Mean: 0.6
	Standard deviation: 6

## How many weeks did it take to fill your most recent vacancy through external rec (YE114c)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Continuous	Valid cases: 244
Format: numeric	Invalid: 586
Width: 2	Minimum: -9
Decimals: 0	Maximum: 60
Range: -9-60	Mean: -0.7
	Standard deviation: 12.1

## main respondent's gender (a15a3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 1	
Decimals: 0	
Range: 1-2	

## second respondent's gender (a15b3)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 73
Format: numeric	Invalid: 757
Width: 1	
Decimals: 0	
Range: 0-2	

## This questionnaire was completed in: (a18)

File: Yemen\_2010\_2013\_Panel

### Overview

Type: Discrete	Valid cases: 477
Format: numeric	Invalid: 353
Width: 1	
Decimals: 0	
Range: 1-3	

## If option 2 or 3 in A.18, estimate duration of the whole interview:Hour (a19h)

File: Yemen\_2010\_2013\_Panel

### Overview

If option 2 or 3 in A.18, estimate duration of the whole interview:Hour (a19h)

File: Yemen\_2010\_2013\_Panel

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-3

Valid cases: 62  
Invalid: 768

If option 2 or 3 in A.18, estimate duration of the whole interview:Minutes (a19m)

File: Yemen\_2010\_2013\_Panel

#### Overview

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-55

Valid cases: 62  
Invalid: 768  
Minimum: 0  
Maximum: 55  
Mean: 23.4  
Standard deviation: 17.3

## Related Materials

### Questionnaires

#### Manufacturing Questionnaire - 2013

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Title Manufacturing Questionnaire - 2013  
 Language English  
 Filename ES\_Manufacturing\_MENA\_Yemen.pdf

---

#### Services Questionnaire - 2013

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Title Services Questionnaire - 2013  
 Language English  
 Filename ES\_Services\_MENA\_Yemen.pdf

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#### Core Questionnaire [ISIC Rev.3.1: 45, 50, 51, 55, 60-64, 72] - 2010

---

Title Core Questionnaire [ISIC Rev.3.1: 45, 50, 51, 55, 60-64, 72] - 2010  
 Country Yemen  
 Language English  
 Filename Yemen Core Feb11.pdf

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#### Core Questionnaire + Manufacturing Module [ISIC Rev.3.1: 15-37] - 2010

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Title Core Questionnaire + Manufacturing Module [ISIC Rev.3.1: 15-37] - 2010  
 Country Yemen  
 Language English  
 Filename Yemen Manufacturing Feb 11th 2009.pdf

---

#### Core Questionnaire + Retail Module [ISIC Rev.3.1: 52] - 2010

---

Title Core Questionnaire + Retail Module [ISIC Rev.3.1: 52] - 2010  
 Country Yemen  
 Language English  
 Filename Yemen Retail Feb11.pdf

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### Reports

#### Yemen Country Profile 2013

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Title Yemen Country Profile 2013  
 Language English  
 Filename <http://www.enterprisesurveys.org/~media/GIAWB/EnterpriseSurveys/Documents/Profiles/English/Yemen-2013.pdf>

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#### Yemen Country Profile 2010

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Title	Yemen Country Profile 2010
Country	Yemen
Language	English
Description	Country Profiles provide key investment climate indicators for a country with benchmarks against their respective regional and income groups. The set of covered topics includes perceived obstacles, the average firm, corruption, taxes and regulations, access to finance, infrastructure, workforce, crime, informality, innovation, and trade. These 15-18 page documents contain mostly figures and tables for easy visual display.
Filename	<a href="http://www.enterprisesurveys.org/~media/GIAWB/EnterpriseSurveys/Documents/Profiles/English/Yemen-2010.pdf">http://www.enterprisesurveys.org/~media/GIAWB/EnterpriseSurveys/Documents/Profiles/English/Yemen-2010.pdf</a>

## Technical documents

### Description of Yemen, Rep. ES 2013 Implementation

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Title	Description of Yemen, Rep. ES 2013 Implementation
Language	English
Filename	Yemen 2013 Implementation Report.pdf

### Description of Yemen, Rep. ES 2010 Implementation

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Title	Description of Yemen, Rep. ES 2010 Implementation
Country	Yemen
Language	English
Filename	Yemen-2010--implementation note-.pdf

### Note on ES Panel Datasets

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Title	Note on ES Panel Datasets
Filename	Notes on Panel Datasets.pdf

### Questionnaire Manual

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Title	Questionnaire Manual
Language	English
Filename	QuestionnaireManual2011.pdf

### Sampling Methodology

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Title	Sampling Methodology
Language	English
Filename	Sampling_Note.pdf

### ISIC Revision 3.1 Codes

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Title	ISIC Revision 3.1 Codes
Language	English
Filename	ISIC_Rev_3_1_english_structure.xls