

# Bangladesh - Enterprise Survey 2013, Innovation Follow-up Survey

**World Bank**

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# Sampling

## Sampling Procedure

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Respondents were randomly selected from a list of establishments interviewed for Bangladesh 2013 Enterprise Survey. The goal was to have a final sample of 75% of the original businesses.

## Weighting

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Weights for the innovation survey are calculated from the original Enterprise Survey weights through upwards adjustment by multiplying with a cell-specific factor which equals the proportion of originally completed ES interviews to completed innovation interviews.

# Questionnaires

No content available

## Data Collection

### Data Collection Dates

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<b>Start</b>	<b>End</b>	<b>Cycle</b>
2013-10	2013-11	N/A

### Data Collection Mode

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Face-to-face [f2f]

## Data Processing

No content available

# Data Appraisal

No content available

## **File Description**



## Variable List

**bangladesh\_2013\_innovation\_data**

## Content

Cases 990

Variable(s) 184

Structure Type:  
Keys: ()

Version

Producer

Missing Data

**Variables**

ID	Name	Label	Type	Format	Question
V1	idstd	WEB STD FIRMID	discrete	numeric	
V2	slno_innov	Serial number	discrete	numeric	
V3	a4a	Sampling sector	discrete	numeric	
V4	a4b	Screeners sector	discrete	numeric	
V5	a6a	Sampling size	discrete	numeric	
V6	a6b	Screeners size	discrete	numeric	
V7	ha0	Module	discrete	numeric	
V8	b5	Year of establishment	discrete	numeric	
V9	ha14d	Interview Day	discrete	numeric	
V10	ha14m	Interview Month	discrete	numeric	
V11	ha14y	Interview Year	discrete	numeric	
V12	ha14h	Interview starting hour	discrete	numeric	
V13	ha14min	Interview starting minute	discrete	numeric	
V14	ha0b	Same respondent as the ES	discrete	numeric	
V15	hb1	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce any innovative product or service?
V16	hb2	From fiscal year 2009/2010 thru 2011/2012, how many innovative products or servi	discrete	numeric	From fiscal year 2010 thru 2012, how many innovative products or services did this establishment introduce?
V17	hb3	In fiscal year 2011/2012, what percentage of this establishment's total sales wa	discrete	numeric	In fiscal year 2012, what percentage of this establishment's total sales was represented by sales from all innovative products or services introduced from fiscal year 2010 thru 2012?
V18	hb5x	Please describe in detail the main innovative product or service that this estab	discrete	character	Please describe in detail the main innovative product or service that this establishment introduced from fiscal year 2010 thru 2012.
V19	hb6	In which year did this establishment introduce the main innovative product or se	discrete	numeric	In which year did this establishment introduce the main innovative product or service?
V20	hb4	In fiscal year 2011/2012, what percentage of this establishment's total sales wa	discrete	numeric	In fiscal year 2012, what percentage of this establishment's total sales was represented by sales from the main innovative product or service?

ID	Name	Label	Type	Format	Question
V21	hb7x	Please describe in detail how the main innovative product or service is different	discrete	character	Please describe in detail how the main innovative product or service is different than the most similar product or service, if any, previously produced by this establishment
V22	hb7	Please describe in detail how the main innovative product or service is different	discrete	numeric	Please describe in detail how the main innovative product or service is different than the most similar product or service, if any, previously produced by this establishment . The product or service is completely new, there are no similar products
V23	hb9a	compared with all other products and services already produced in this establish	discrete	numeric	I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment. Does it have completely new functions?
V24	hb9b	compared with all other products and services already produced in this establish	discrete	numeric	I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment. Is it cheaper to produce or offer?
V25	hb9c	compared with all other products and services already produced in this establish	discrete	numeric	I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment. Is it a better quality product or service?
V26	hb9d	compared with all other products and services already produced in this establish	discrete	numeric	I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment. Does it use different inputs?
V27	hb9f	compared with all other products and services already produced in this establish	discrete	numeric	I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment. Is it based on a technology or industrial design not already used by this establishment?
V28	hb10a	Establishment introduced this main innovative product because To replace a produ	discrete	numeric	Do any of the following describe why this establishment introduced this main innovative product: To replace a product or service offered by this establishment
V29	hb10b	Establishment introduced this main innovative product because To extend the rang	discrete	numeric	Do any of the following describe why this establishment introduced this main innovative product: To extend the range of products or service offered by this establishment
V30	hb10c	Establishment introduced this main innovative product because To open up new mar	discrete	numeric	Do any of the following describe why this establishment introduced this main innovative product: To open up new markets or increase market share
V31	hb10d	Establishment introduced this main innovative product because To decrease the co	discrete	numeric	Do any of the following describe why this establishment introduced this main innovative product: To decrease the cost of production or offering the service
V32	hb10e	Establishment introduced this main innovative product because To offer products	discrete	numeric	Do any of the following describe why this establishment introduced this main innovative product: To offer products or service already offered by competitors
V33	hb10f	Establishment introduced this main innovative product because To comply with reg	discrete	numeric	Do any of the following describe why this establishment introduced this main innovative product: To comply with regulations or standards (e.g. safety or environmental regulations)

ID	Name	Label	Type	Format	Question
V34	hb10g	Establishment introduced this main innovative product because To deal with a dec	discrete	numeric	Do any of the following describe why this establishment introduced this main innovative product: To deal with a decrease in the demand for other products or service
V35	hb11a	When this main innovative product or service was introduced by this establishmen	discrete	numeric	When this main innovative product or service was introduced by this establishment, was it New to the local market
V36	hb11b	When this main innovative product or service was introduced by this establishmen	discrete	numeric	When this main innovative product or service was introduced by this establishment, was it New to the national market
V37	hb11c	When this main innovative product or service was introduced by this establishmen	discrete	numeric	When this main innovative product or service was introduced by this establishment, was it New to the international market
V38	hb12	How did this establishment develop the idea for this main innovative product or	discrete	numeric	How did this establishment develop the idea for this main innovative product or service?
V39	hb13	Was the main innovative product or service developed entirely by this establishm	discrete	numeric	Was the main innovative product or service developed entirely by this establishment?
V40	hb14	Was the main innovative product or service developed entirely by another firm (e	discrete	numeric	Was the main innovative product or service developed entirely by another firm (e.g. headquarter, sister company or any other firm within your company or independent from your company)?
V41	hb15a	Was the main innovative product or service developed in cooperation with Any dom	discrete	numeric	Was the main innovative product or service developed in cooperation with any of the following? Any domestic firms
V42	hb15b	Was the main innovative product or service developed in cooperation with Any for	discrete	numeric	Was the main innovative product or service developed in cooperation with any of the following? Any foreign firms or a foreign-owned parent firm
V43	hb15c	Was the main innovative product or service developed in cooperation with Domesti	discrete	numeric	Was the main innovative product or service developed in cooperation with any of the following? Domestic academic or research institutions
V44	hb15d	Was the main innovative product or service developed in cooperation with Foreign	discrete	numeric	Was the main innovative product or service developed in cooperation with any of the following? Foreign academic or research institutions
V45	hb15e	Was the main innovative product or service developed in cooperation with Private	discrete	numeric	Was the main innovative product or service developed in cooperation with any of the following? Private consulting company or individuals
V46	hb15f	Was the main innovative product or service developed in cooperation with Governm	discrete	numeric	Was the main innovative product or service developed in cooperation with any of the following? Government
V47	hb16	Were employees hired specifically for the purpose of developing the main innovat	discrete	numeric	Were employees hired specifically for the purpose of developing the main innovative product or service?
V48	hb17	From fiscal year 2009/2010 thru 2011/2012, as a consequence of introducing any i	discrete	numeric	From fiscal year 2010 thru 2012, as a consequence of introducing any innovative product or service, did the number of skilled workers employed by the establishment increase, decrease or remain the same?
V49	hb18	From fiscal year 2009/2010 thru 2011/2012, as a consequence of introducing any i	discrete	numeric	From fiscal year 2010 thru 2012, as a consequence of introducing any innovative product or service, did the number of unskilled workers employed by the establishment increase, decrease or remain the same?

ID	Name	Label	Type	Format	Question
V50	hb19a	From fiscal year 2009/2010 thru 2011/2012, did this establishment attempt to dev	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment attempt to develop an innovative product or service that was Abandoned or suspended before completion
V51	hb19b	From fiscal year 2009/2010 thru 2011/2012, did this establishment attempt to dev	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment attempt to develop an innovative product or service that was Still ongoing at the end of fiscal year 2012
V52	hc1	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce any innovative methods of manufacturing products or offering services?
V53	hc2	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce any innovative logistics, delivery, or distribution methods for inputs, products, or services?
V54	hc3	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce any innovative supporting activity for processes, such as maintenance systems or operations for purchasing, accounting, or computing?
V55	hc4	Please mark the question hc1, hc2, hc3 that is all are yes or no?	discrete	numeric	
V56	hc5x	Please describe in detail this establishment's main innovative process	discrete	character	Please describe in detail this establishment's main innovative process
V57	hc6	In which year did this establishment introduce this most important innovative pr	discrete	numeric	In which year did this establishment introduce this most important innovative process?
V58	hc7x	Please describe in detail how the innovative process is different from the most	discrete	character	Please describe in detail how the innovative process is different from the most similar process, if any, that is or was used by this establishment
V59	hc7	Please describe in detail how the innovative process is different from the most	discrete	numeric	Please describe in detail how the innovative process is different from the most similar process, if any, that is or was used by this establishment. The process is completely new, there is no similar process
V60	hc8a	Does the most important innovative process, Automate manual processes, partially	discrete	numeric	Does the most important innovative process Automate manual processes, partially or fully?
V61	hc8b	Does the most important innovative process Adapt a technology or method previous	discrete	numeric	Does the most important innovative process Adapt a technology or method previously used by this establishment?
V62	hc8c	Does the most important innovative process Introduce a new technology or method?	discrete	numeric	Does the most important innovative process Introduce a new technology or method?
V63	hc8d	Does the most important innovative process Use a more efficient technology or me	discrete	numeric	Does the most important innovative process: Use a more efficient technology or method already used by this establishment
V64	hc9	Is the most important innovative process associated with an innovative product o	discrete	numeric	Is the most important innovative process associated with an innovative product or service introduced by this establishment?
V65	hc10a	This establishment introduced the most important innovative process To increase	discrete	numeric	Do any of the following describe why this establishment introduced the most important innovative process? To increase the quality of products or services

ID	Name	Label	Type	Format	Question
V66	hc10b	This establishment introduced the most important innovative process To increase	discrete	numeric	Do any of the following describe why this establishment introduced the most important innovative process? To increase the total production or amount of services offered
V67	hc10c	This establishment introduced the most important innovative process To increase	discrete	numeric	Do any of the following describe why this establishment introduced the most important innovative process? To increase the flexibility of production or offering service
V68	hc10d	This establishment introduced the most important innovative process To increase	discrete	numeric	Do any of the following describe why this establishment introduced the most important innovative process? To increase the speed of production or offering service
V69	hc10e	This establishment introduced the most important innovative process To increase	discrete	numeric	Do any of the following describe why this establishment introduced the most important innovative process? To increase the speed of delivery to the customer
V70	hc10f	This establishment introduced the most important innovative process To decrease	discrete	numeric	Do any of the following describe why this establishment introduced the most important innovative process? To decrease the cost of production or offering service
V71	hc10g	This establishment introduced the most important innovative process To reduce wa	discrete	numeric	Do any of the following describe why this establishment introduced the most important innovative process? To reduce waste or errors (defect rate or rejection rate )
V72	hc10h	This establishment introduced the most important innovative process To comply wi	discrete	numeric	Do any of the following describe why this establishment introduced the most important innovative process? To comply with regulations or standards (e.g. safety or environmental regulations)
V73	hc11a	When the most important innovative process was introduced in this establishment,	discrete	numeric	When the most important innovative process was introduced in this establishment, was it New to the local market
V74	hc11b	When the most important innovative process was introduced in this establishment,	discrete	numeric	When the most important innovative process was introduced in this establishment, was it New to the national market
V75	hc11c	When the most important innovative process was introduced in this establishment,	discrete	numeric	When the most important innovative process was introduced in this establishment, was it New to the international market
V76	hc12	How did this establishment develop the idea for this most important innovative p	discrete	numeric	How did this establishment develop the idea for this most important innovative process?
V77	hc13	Was the most important innovative process developed entirely by this establishme	discrete	numeric	Was the most important innovative process developed entirely by this establishment?
V78	hc14	Was the most important innovative process developed entirely by the parent firm	discrete	numeric	Was the most important innovative process developed entirely by another firm (e.g. headquarter, sister company or any other firm within your company or independent from your company)?
V79	hc15a	Was the most important innovative process developed in cooperation with Any dome	discrete	numeric	Was the most important innovative process developed in cooperation with any of the following?
V80	hc15b	Was the most important innovative process developed in cooperation with Any fore	discrete	numeric	Was the most important innovative process developed in cooperation with any of the following?
V81	hc15c	Was the most important innovative process developed in cooperation with Domestic	discrete	numeric	Was the most important innovative process developed in cooperation with any of the following?

ID	Name	Label	Type	Format	Question
V82	hc15d	Was the most important innovative process developed in cooperation with Foreign	discrete	numeric	Was the most important innovative process developed in cooperation with any of the following?
V83	hc15e	Was the most important innovative process developed in cooperation with Private	discrete	numeric	Was the most important innovative process developed in cooperation with any of the following?
V84	hc15f	Was the most important innovative process developed in cooperation with Governme	discrete	numeric	Was the most important innovative process developed in cooperation with any of the following?
V85	hc16	Were employees hired specifically for the purpose of developing the most importa	discrete	numeric	Were employees hired specifically for the purpose of developing the most important innovative process?
V86	hc17	From fiscal year 2009/2010 thru 2011/2012, as a consequence of introducing any i	discrete	numeric	From fiscal year 2010 thru 2012, as a consequence of introducing any innovative processes, did the number of skilled workers employed by the establishment increase, decrease or remain the same?
V87	hc18	From fiscal year 2009/2010 thru 2011/2012, as a consequence of introducing any i	discrete	numeric	From fiscal year 2010 thru 2012, as a consequence of introducing any innovative processes, did the number of unskilled workers employed by the establishment increase, decrease or remain the same?
V88	hd1a	Number of employees reporting directly to Top Manager in fiscal year 2011/2012	discrete	numeric	In fiscal year 2012, how many employees reported directly to the Top Manager of this establishment? (An employee who reports directly implies the employee meets with the Top Manager on a regular basis (middle manager)).
V89	hd1b	Number of employees reporting directly to Top Manager in fiscal year 2009/2010	discrete	numeric	In fiscal year 2010, how many employees reported directly to the Top Manager of this establishment?
V90	hd2a	Number of layers of direct reporting in fiscal year 2011/2012	discrete	numeric	In fiscal year 2012, how many layers of direct reporting were there in this establishment from the Top Manager down to the lowest-level of employee?
V91	hd2b	Number of layers of direct reporting in fiscal year 2009/2010	discrete	numeric	In fiscal year 2010, how many layers of direct reporting were there in this establishment from the Top Manager down to the lowest-level of employee?
V92	hd3a	From fiscal year 2009/2010 thru 2011/2012, did the establishment make any change	discrete	numeric	From fiscal year 2010 thru 2012, did the establishment make any changes in its organizational structure in any of the following ways: Create a new unit or department
V93	hd3b	From fiscal year 2009/2010 thru 2011/2012, did the establishment make any change	discrete	numeric	From fiscal year 2010 thru 2012, did the establishment make any changes in its organizational structure in any of the following ways: Dissolve any units or department
V94	hd3c	From fiscal year 2009/2010 thru 2011/2012, did the establishment make any change	discrete	numeric	From fiscal year 2010 thru 2012, did the establishment make any changes in its organizational structure in any of the following ways: Merge any units or department
V95	hd7	From fiscal year 2009/2010 thru 2011/2012, did this establishment contract other	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment contract other firms to perform any activities previously done in-house (outsourcing)?
V96	hd8	From fiscal year 2009/2010 thru 2011/2012, did this establishment start doing in	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment start doing in-house any activities previously contracted to other firms (insourcing)?

ID	Name	Label	Type	Format	Question
V97	hd4	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce any change in the method of hiring employees, excluding managerial and supervisory staff?
V98	hd5	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce any change in the method of hiring managerial and supervisory staff?
V99	hd6a	From fiscal year 2009/2010 thru 2011/2012, did the manager(s) at this establishment	discrete	numeric	From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from Suppliers or customers
V100	hd6b	From fiscal year 2009/2010 thru 2011/2012, did the manager(s) at this establishment	discrete	numeric	From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from Trade associations or workshops
V101	hd6c	From fiscal year 2009/2010 thru 2011/2012, did the manager(s) at this establishment	discrete	numeric	From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from New employees
V102	hd6d	From fiscal year 2009/2010 thru 2011/2012, did the manager(s) at this establishment	discrete	numeric	From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from Competitors
V103	hd6e	From fiscal year 2009/2010 thru 2011/2012, did the manager(s) at this establishment	discrete	numeric	From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from Consultants
V104	hd9a	In fiscal year 2011/2012 what best describes what happened at this establishment	discrete	numeric	In fiscal year 2012 what best describes what happened at this establishment when a problem arose in the production process, such as a quality defect or machinery or equipment break-downs?
V105	hd9b	In fiscal year 2009/2010 what best describes what happened at this establishment	discrete	numeric	In fiscal year 2010 what best describes what happened at this establishment when a problem arose in the production process, such as a quality defect or machinery or equipment break-downs?
V106	hd10a	In fiscal year 2011/2012, were key performance indicators monitored at this esta	discrete	numeric	In fiscal year 2012, were key performance indicators monitored at this establishment? Examples of performance indicators are metrics on production, cost, waste, quality, inventory, energy, absenteeism and on-time delivery.
V107	hd10b	In fiscal year 2011/2012, how many key performance indicators were monitored at	discrete	numeric	In fiscal year 2012, how many key performance indicators were monitored at this establishment?
V108	hd10c	In fiscal year 2011/2012, how frequently were the key performance indicators rev	discrete	numeric	In fiscal year 2012, how frequently were the key performance indicators reviewed by managers at this establishment?
V109	hd11a	In fiscal year 2009/2010, were key performance indicators monitored at this esta	discrete	numeric	In fiscal year 2010, were key performance indicators monitored at this establishment?
V110	hd11b	In fiscal year 2009/2010, how many key performance indicators were monitored at	discrete	numeric	In fiscal year 2010, how many key performance indicators were monitored at this establishment?
V111	hd11c	In fiscal year 2009/2010, how frequently were the key performance indicators rev	discrete	numeric	In fiscal year 2010, how frequently were the key performance indicators reviewed by managers at this establishment?



ID	Name	Label	Type	Format	Question
V112	hd12a	In fiscal year 2011/2012, what best describes the time frame of production target	discrete	numeric	In fiscal year 2012, what best describes the time frame of production/sales targets at this establishment? (Production targets may include desired amounts of production, quality, efficiency, waste reduction, and on-time delivery).
V113	hd12b	In fiscal year 2011/2012, did this establishment have any performance bonus for	discrete	numeric	In fiscal year 2012, did this establishment have any performance bonus for employees or managers?
V114	hd12c	What were these performance bonuses usually based on?	discrete	numeric	What were these performance bonuses usually based on?
V115	hd13a	In fiscal year 2009/2010, what best describes the time frame of production target	discrete	numeric	In fiscal year 2010, what best describes the time frame of production/sales targets at this establishment?
V116	hd13b	In fiscal year 2009/2010, did this establishment have any performance bonus for	discrete	numeric	In fiscal year 2010, did this establishment have any performance bonus for employees or managers?
V117	hd13c	What were these performance bonuses usually based on?	discrete	numeric	What were these performance bonuses usually based on?
V118	he1a	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? Packaging
V119	he1b	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? Branding, logo, name, or trademark
V120	he1c	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? Products' appearance, excluding packaging or branding
V121	he1d	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? Advertising methods
V122	he1e	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? Promotion of the product or service
V123	he1f	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? Sales channels or sales points
V124	he1g	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? Discount schemes
V125	he1h	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? Pricing strategies, excluding discount schemes
V126	he1i	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? Payment schemes
V127	he1j	From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? Customer loyalty rewards
V128	he2a	From fiscal year 2009/2010 thru 2011/2012, did this establishment use the servic	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment use the services of a marketing firm, consumer research firm, or advertising firm?

ID	Name	Label	Type	Format	Question
V129	he2b	From fiscal year 2009/2010 thru 2011/2012, how much did this establishment pay i	discrete	numeric	From fiscal year 2010 thru 2012, how much did this establishment pay in total for those services?
V130	hf1a	From fiscal year 2009/2010 thru 2011/2012 did this establishment conduct interna	discrete	numeric	From fiscal year 2010 thru 2012 did this establishment conduct internal R&D? (Internal R&D is defined as creative work undertaken to increase knowledge for developing innovative products and processes.)
V131	hf1b	How much did this establishment spend in total from fiscal year 2009/2010 thru 2	discrete	numeric	How much did this establishment spend in total from fiscal year 2010 thru 2012 on internal R&D?
V132	hf2a	From fiscal year 2009/2010 thru 2011/2012 did this establishment conduct externa	discrete	numeric	From fiscal year 2010 thru 2012 did this establishment conduct external R&D? (External R&D is defined as creative work, undertaken by other enterprises, public or private research organizations, which was paid for by this establishment.)
V133	hf2b	How much did this establishment spend in total from fiscal year 2009/2010 thru 2	discrete	numeric	How much did this establishment spend in total from fiscal year 2010 thru 2012 on external R&D?
V134	hf3a	From fiscal year 2009/2010 thru 2011/2012 did this establishment provide formal	discrete	numeric	From fiscal year 2010 thru 2012 did this establishment provide formal training to any of its employees specifically for the development and/or introduction of innovative products or services and processes?
V135	hf3b	How much did this establishment spend in total from fiscal year 2009/2010 thru 2	discrete	numeric	How much did this establishment spend in total from fiscal year 2010 thru 2012 on that formal training?
V136	hf4a	From fiscal year 2009/2010 thru 2011/2012 did this establishment purchase new eq	discrete	numeric	From fiscal year 2010 thru 2012 did this establishment purchase new equipment, machinery, or software to develop or produce any innovative products or services and processes?
V137	hf4b	How much did this establishment spend in total from fiscal year 2009/2010 thru 2	discrete	numeric	How much did this establishment spend in total from fiscal year 2010 thru 2012 on the purchase of that new equipment, machinery, or software?
V138	hf5a	From fiscal year 2009/2010 thru 2011/2012 did this establishment purchase or lic	discrete	numeric	From fiscal year 2010 thru 2012 did this establishment purchase or license any patented or non-patented inventions, or other types of knowledge for the development of innovative products or services and processes?
V139	hf5b	How much did this establishment spend in total from fiscal year 2009/2010 thru 2	discrete	numeric	How much did this establishment spend in total from fiscal year 2010 thru 2012 on any patented or non-patented inventions, or other types of knowledge?
V140	hf7a	From fiscal year 2009/2010 thru 2011/2012, did this establishment fund its innov	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources: Own funds
V141	hf7b	From fiscal year 2009/2010 thru 2011/2012, did this establishment fund its innov	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources: Private or state-owned banks
V142	hf7c	From fiscal year 2009/2010 thru 2011/2012, did this establishment fund its innov	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources: Government agencies or departments
V143	hf7d	From fiscal year 2009/2010 thru 2011/2012, did this establishment fund its innov	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources: NGOs or international organizations

ID	Name	Label	Type	Format	Question
V144	hf7e	From fiscal year 2009/2010 thru 2011/2012, did this establishment fund its innov	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources: Other
V145	hf8	Between fiscal years 2009/2010 and 2011/2012, did this establishment receive any	discrete	numeric	Between fiscal years 2010 and 2012, did this establishment receive any non-financial support from the government for innovation-related activities? (This includes training in the use of innovation equipment, assistance in research and product development, and assistance and training for marketing innovations)
V146	hf6	Thinking about innovation, which of the following is the most important source o	discrete	numeric	Thinking about innovation, which of the following is the most important source of information or ideas for any innovation activity for this establishment?
V147	hf9a	From fiscal year 2009/2010 thru 2011/2012, did this establishment Apply for a pa	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment: Apply for a patent concerning a product innovation
V148	hf9b	From fiscal year 2009/2010 thru 2011/2012, did this establishment Apply for a pa	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment: Apply for a patent concerning a process innovation
V149	hf9c	From fiscal year 2009/2010 thru 2011/2012, did this establishment Apply for a ut	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment: Apply for a utility model
V150	hf9d	From fiscal year 2009/2010 thru 2011/2012, did this establishment Register an in	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment: Register an industrial design
V151	hf9e	From fiscal year 2009/2010 thru 2011/2012, did this establishment Apply for a t	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment: Apply for a trademark
V152	hf9f	From fiscal year 2009/2010 thru 2011/2012, did this establishment Apply for a co	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment: Apply for a copyright
V153	ha1	Currently, what percentage of this establishment's employees regularly uses comp	discrete	numeric	Currently, what percentage of this establishment's employees regularly uses computers in their jobs, including management?
V154	ha2	From fiscal year 2009/2010 thru 2011/2012, did this establishment purchase or de	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment purchase or develop in-house any software, which was customized to meet its needs?
V155	ha3	From fiscal year 2009/2010 thru 2011/2012, did this establishment have any emplo	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment have any employees entirely designated for IT?
V156	ha4	From fiscal year 2009/2010 thru 2011/2012, did this establishment use the servic	discrete	numeric	From fiscal year 2010 thru 2012, did this establishment use the services of an external computer consultant or software consultant?
V157	ha5	From fiscal year 2009/2010 thru 2011/2012, what was the total cost of these exte	discrete	numeric	From fiscal year 2010 thru 2012, what was the total cost of these external computer consultant or software consultant?
V158	ha6	Currently, does this establishment have an internet connection?	discrete	numeric	Currently, does this establishment have an internet connection?
V159	ha7	When did this establishment first obtain an internet connection?	discrete	numeric	When did this establishment first obtain an internet connection?
V160	ha8a	Currently, does this establishment use the internet to conduct of E-mail with cl	discrete	numeric	Currently, does this establishment use the internet to conduct any of the following activities: E-mail with clients and suppliers
V161	ha8b	Currently, does this establishment use the internet to conduct of Internal commu	discrete	numeric	Currently, does this establishment use the internet to conduct any of the following activities: Internal communication amongst employees

ID	Name	Label	Type	Format	Question
V162	ha8c	Currently, does this establishment use the internet to conduct of Online purchas	discrete	numeric	Currently, does this establishment use the internet to conduct any of the following activities: Online purchases of inputs or finished goods purchased to resell
V163	ha8d	Currently, does this establishment use the internet to conduct of Online sales a	discrete	numeric	Currently, does this establishment use the internet to conduct any of the following activities: Online sales and order fulfillment
V164	ha8e	Currently, does this establishment use the internet to conduct of Manage the inv	discrete	numeric	Currently, does this establishment use the internet to conduct any of the following activities: Manage the inventory
V165	ha8f	Currently, does this establishment use the internet to conduct of Marketing of p	discrete	numeric	Currently, does this establishment use the internet to conduct any of the following activities: Marketing of products
V166	ha8g	Currently, does this establishment use the internet to conduct of Do research an	discrete	numeric	Currently, does this establishment use the internet to conduct any of the following activities: Do research and develop ideas on new products and services
V167	ha15d	Time innovation module interview ends of Day	discrete	numeric	
V168	ha15m	Time innovation module interview ends of month	discrete	numeric	
V169	ha15y	Time innovation module interview ends of year	discrete	numeric	
V170	ha15h	Time innovation module interview ends of hour	discrete	numeric	
V171	ha15min	Time innovation module interview ends of minute	discrete	numeric	
V172	ha21x	Information about Position in the firm of the main respondent	discrete	character	
V173	ha21a	Information about Years with the firm of the main respondent	contin	numeric	
V174	ha21c	Information about Gender of the main respondent	discrete	numeric	
V175	ha21d	Information about Same respondent as ES of the main respondent	discrete	numeric	
V176	ha22x	Information about Position in the firm of the second respondent	discrete	character	
V177	ha22a	Information about Years with the firm of the second respondent	contin	numeric	
V178	ha22c	Information about Gender of the second respondent	discrete	numeric	
V179	ha22d	Information about Same respondent as ES of the second respondent	discrete	numeric	
V180	ha17x	INTERVIEWER COMMENTS	discrete	character	
V181	freshrec		discrete	numeric	
V182	wstrict_innov		contin	numeric	
V183	wmedian_innov		contin	numeric	
V184	wweak_innov		contin	numeric	



## WEB STD FIRMID (idstd)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 6	Minimum: 531202
Decimals: 0	Maximum: 532642
Range: 531202-532642	

## Serial number (slno\_innov)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 3	Minimum: 1
Decimals: 0	Maximum: 990
Range: 1-990	

## Sampling sector (a4a)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 15-72	

## Screener sector (a4b)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 15-72	

## Sampling size (a6a)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 0-3	

## Screeners size (a6b)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 0-3	

## Module (ha0)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

## Year of establishment (b5)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: -9-2012	

## Interview Day (ha14d)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-31	

## Interview Month (ha14m)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 6-11	

## Interview Year (ha14y)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: 2013-2014	

## Interview starting hour (ha14h)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 8-20	

## Interview starting minute (ha14min)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 0-59	

## Same respondent as the ES (ha0b)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

## From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any (hb1)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: -9-2	

**Pre question**



From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any (hb1)

File: bangladesh\_2013\_innovation\_data

I would like to start by asking you some questions about any new or significantly improved product or service introduced by this establishment, where "new" means new to the establishment and not necessarily new to the market. The next questions will refer to this new or significantly improved product or service as an "innovative" product or service.

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce any innovative product or service?

From fiscal year 2009/2010 thru 2011/2012, how many innovative products or servi (hb2)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: -9-999

Valid cases: 628  
Invalid: 362

#### Literal question

From fiscal year 2010 thru 2012, how many innovative products or services did this establishment introduce?

In fiscal year 2011/2012, what percentage of this establishment's total sales wa (hb3)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 413  
Invalid: 577

#### Literal question

In fiscal year 2012, what percentage of this establishment's total sales was represented by sales from all innovative products or services introduced from fiscal year 2010 thru 2012?

Please describe in detail the main innovative product or service that this estab (hb5x)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: character  
Width: 113

Valid cases: 628

#### Pre question

The next questions are about this establishment's main innovative product or service. The main innovative product or service is the one that represented the largest proportion of this establishment's sales in value (not volume) during fiscal year 2012.

#### Literal question

Please describe in detail the main innovative product or service that this estab (hb5x)

File: bangladesh\_2013\_innovation\_data

Please describe in detail the main innovative product or service that this establishment introduced from fiscal year 2010 thru 2012.

In which year did this establishment introduce the main innovative product or se (hb6)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

In which year did this establishment introduce the main innovative product or service?

In fiscal year 2011/2012, what percentage of this establishment's total sales wa (hb4)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

In fiscal year 2012, what percentage of this establishment's total sales was represented by sales from the main innovative product or service?

Please describe in detail how the main innovative product or service is differen (hb7x)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: character  
Width: 137

Valid cases: 452

#### Literal question

Please describe in detail how the main innovative product or service is different than the most similar product or service, if any, previously produced by this establishment

Please describe in detail how the main innovative product or service is different (hb7)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 176  
Invalid: 814

#### Literal question

Please describe in detail how the main innovative product or service is different than the most similar product or service, if any, previously produced by this establishment .

The product or service is completely new, there are no similar products

compared with all other products and services already produced in this establish (hb9a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment.

Does it have completely new functions?

compared with all other products and services already produced in this establish (hb9b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment.

Is it cheaper to produce or offer?

compared with all other products and services already produced in this establish (hb9c)

File: bangladesh\_2013\_innovation\_data

#### Overview

compared with all other products and services already produced in this establish (hb9c)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 628  
Invalid: 362

#### Literal question

I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment.  
Is it a better quality product or service?

compared with all other products and services already produced in this establish (hb9d)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment.  
Does it use different inputs?

compared with all other products and services already produced in this establish (hb9f)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment.  
Is it based on a technology or industrial design not already used by this establishment?

Establishment introduced this main innovative product because To replace a produ (hb10a)

File: bangladesh\_2013\_innovation\_data

#### Overview

Establishment introduced this main innovative product because To replace a produ (hb10a)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 628  
Invalid: 362

#### Literal question

Do any of the following describe why this establishment introduced this main innovative product:  
To replace a product or service offered by this establishment

Establishment introduced this main innovative product because To extend the rang (hb10b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

Do any of the following describe why this establishment introduced this main innovative product:  
To extend the range of products or service offered by this establishment

Establishment introduced this main innovative product because To open up new mar (hb10c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

Do any of the following describe why this establishment introduced this main innovative product:  
To open up new markets or increase market share

Establishment introduced this main innovative product because To decrease the co (hb10d)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

Establishment introduced this main innovative product because To decrease the co (hb10d)

File: bangladesh\_2013\_innovation\_data

Do any of the following describe why this establishment introduced this main innovative product:  
To decrease the cost of production or offering the service

Establishment introduced this main innovative product because To offer products (hb10e)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

Do any of the following describe why this establishment introduced this main innovative product:  
To offer products or service already offered by competitors

Establishment introduced this main innovative product because To comply with reg (hb10f)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

Do any of the following describe why this establishment introduced this main innovative product:  
To comply with regulations or standards (e.g. safety or environmental regulations)

Establishment introduced this main innovative product because To deal with a dec (hb10g)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

Do any of the following describe why this establishment introduced this main innovative product:  
To deal with a decrease in the demand for other products or service

When this main innovative product or service was introduced by this establishment (hb11a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

When this main innovative product or service was introduced by this establishment, was it New to the local market

When this main innovative product or service was introduced by this establishment (hb11b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

When this main innovative product or service was introduced by this establishment, was it New to the national market

When this main innovative product or service was introduced by this establishment (hb11c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

When this main innovative product or service was introduced by this establishment, was it New to the international market

How did this establishment develop the idea for this main innovative product or (hb12)

File: bangladesh\_2013\_innovation\_data

#### Overview

How did this establishment develop the idea for this main innovative product or (hb12)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 628  
Invalid: 362

#### Literal question

How did this establishment develop the idea for this main innovative product or service?

Was the main innovative product or service developed entirely by this establishment (hb13)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

Was the main innovative product or service developed entirely by this establishment?

Was the main innovative product or service developed entirely by another firm (e (hb14)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 117  
Invalid: 873

#### Literal question

Was the main innovative product or service developed entirely by another firm (e.g. headquarter, sister company or any other firm within your company or independent from your company)?

Was the main innovative product or service developed in cooperation with Any dom (hb15a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 48  
Invalid: 942

#### Literal question



Was the main innovative product or service developed in cooperation with Any dom (hb15a)

File: bangladesh\_2013\_innovation\_data

Was the main innovative product or service developed in cooperation with any of the following?

Any domestic firms

Was the main innovative product or service developed in cooperation with Any for (hb15b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 48  
Invalid: 942

#### Literal question

Was the main innovative product or service developed in cooperation with any of the following?

Any foreign firms or a foreign-owned parent firm

Was the main innovative product or service developed in cooperation with Domesti (hb15c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 48  
Invalid: 942

#### Literal question

Was the main innovative product or service developed in cooperation with any of the following?

Domestic academic or research institutions

Was the main innovative product or service developed in cooperation with Foreign (hb15d)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 48  
Invalid: 942

#### Literal question

Was the main innovative product or service developed in cooperation with any of the following?

Foreign academic or research institutions

Was the main innovative product or service developed in cooperation with Private (hb15e)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 48  
Invalid: 942

#### Literal question

Was the main innovative product or service developed in cooperation with any of the following?  
Private consulting company or individuals

Was the main innovative product or service developed in cooperation with Governm (hb15f)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 48  
Invalid: 942

#### Literal question

Was the main innovative product or service developed in cooperation with any of the following?  
Government

Were employees hired specifically for the purpose of developing the main innovat (hb16)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

Were employees hired specifically for the purpose of developing the main innovative product or service?

From fiscal year 2009/2010 thru 2011/2012, as a consequence of introducing any i (hb17)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

From fiscal year 2009/2010 thru 2011/2012, as a consequence of introducing any i (hb17)

File: bangladesh\_2013\_innovation\_data

#### Literal question

From fiscal year 2010 thru 2012, as a consequence of introducing any innovative product or service, did the number of skilled workers employed by the establishment increase, decrease or remain the same?

From fiscal year 2009/2010 thru 2011/2012, as a consequence of introducing any i (hb18)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 628  
Invalid: 362

#### Literal question

From fiscal year 2010 thru 2012, as a consequence of introducing any innovative product or service, did the number of unskilled workers employed by the establishment increase, decrease or remain the same?

From fiscal year 2009/2010 thru 2011/2012, did this establishment attempt to dev (hb19a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment attempt to develop an innovative product or service that was Abandoned or suspended before completion

From fiscal year 2009/2010 thru 2011/2012, did this establishment attempt to dev (hb19b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment attempt to develop an innovative product or service that was Still ongoing at the end of fiscal year 2012

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any (hc1)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Pre question

I would now like to ask you some questions related to any new or significantly improved process introduced by this establishment. The next questions will refer to any new or significantly improved process as an "innovative" process.

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce any innovative methods of manufacturing products or offering services?

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any (hc2)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce any innovative logistics, delivery, or distribution methods for inputs, products, or services?

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any (hc3)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce any innovative supporting activity for processes, such as maintenance systems or operations for purchasing, accounting, or computing?

Please mark the question hc1, hc2, hc3 that is all are yes or no? (hc4)

File: bangladesh\_2013\_innovation\_data

#### Overview

Please mark the question hc1, hc2, hc3 that is all are yes or no?  
(hc4)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 990  
Invalid: 0

Please describe in detail this establishment's main innovative process (hc5x)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: character  
Width: 146

Valid cases: 818

#### Pre question

The next questions refer to this establishment's main innovative process, that is, the innovative process that had the largest impact on the operations of the establishment.

#### Literal question

Please describe in detail this establishment's main innovative process

In which year did this establishment introduce this most important innovative pr (hc6)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: -9-2013

Valid cases: 820  
Invalid: 170

#### Literal question

In which year did this establishment introduce this most important innovative process?

Please describe in detail how the innovative process is different from the most (hc7x)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: character  
Width: 170

Valid cases: 664

#### Literal question

Please describe in detail how the innovative process is different from the most similar process, if any, that is or was used by this establishment

Please describe in detail how the innovative process is different from the most (hc7)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 155  
Invalid: 835

#### Literal question

Please describe in detail how the innovative process is different from the most similar process, if any, that is or was used by this establishment.

The process is completely new, there is no similar process

Does the most important innovative process, Automate manual processes, partially (hc8a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

Does the most important innovative process  
Automate manual processes, partially or fully?

Does the most important innovative process Adapt a technology or method previous (hc8b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

Does the most important innovative process  
Adapt a technology or method previously used by this establishment?

Does the most important innovative process Introduce a new technology or method? (hc8c)

File: bangladesh\_2013\_innovation\_data

#### Overview

Does the most important innovative process Introduce a new technology or method? (hc8c)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 820  
Invalid: 170

#### Literal question

Does the most important innovative process  
Introduce a new technology or method?

Does the most important innovative process Use a more efficient technology or me (hc8d)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

Does the most important innovative process:  
Use a more efficient technology or method already used by this establishment

Is the most important innovative process associated with an innovative product o (hc9)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

Is the most important innovative process associated with an innovative product or service introduced by this establishment?

This establishment introduced the most important innovative process To increase (hc10a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

This establishment introduced the most important innovative process To increase (hc10a)

File: bangladesh\_2013\_innovation\_data

Do any of the following describe why this establishment introduced the most important innovative process?  
To increase the quality of products or services

This establishment introduced the most important innovative process To increase (hc10b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

Do any of the following describe why this establishment introduced the most important innovative process?  
To increase the total production or amount of services offered

This establishment introduced the most important innovative process To increase (hc10c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

Do any of the following describe why this establishment introduced the most important innovative process?  
To increase the flexibility of production or offering service

This establishment introduced the most important innovative process To increase (hc10d)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

Do any of the following describe why this establishment introduced the most important innovative process?  
To increase the speed of production or offering service



This establishment introduced the most important innovative process To increase (hc10e)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

Do any of the following describe why this establishment introduced the most important innovative process?  
To increase the speed of delivery to the customer

This establishment introduced the most important innovative process To decrease (hc10f)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

Do any of the following describe why this establishment introduced the most important innovative process?  
To decrease the cost of production or offering service

This establishment introduced the most important innovative process To reduce wa (hc10g)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

Do any of the following describe why this establishment introduced the most important innovative process?  
To reduce waste or errors (defect rate or rejection rate )

This establishment introduced the most important innovative process To comply wi (hc10h)

File: bangladesh\_2013\_innovation\_data

#### Overview

This establishment introduced the most important innovative process To comply wi (hc10h)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 820  
Invalid: 170

#### Literal question

Do any of the following describe why this establishment introduced the most important innovative process?  
To comply with regulations or standards (e.g. safety or environmental regulations)

When the most important innovative process was introduced in this establishment, (hc11a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

When the most important innovative process was introduced in this establishment, was it  
New to the local market

When the most important innovative process was introduced in this establishment, (hc11b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

When the most important innovative process was introduced in this establishment, was it  
New to the national market

When the most important innovative process was introduced in this establishment, (hc11c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

When the most important innovative process was introduced in this establishment, (hc11c)

File: bangladesh\_2013\_innovation\_data

When the most important innovative process was introduced in this establishment, was it New to the international market

How did this establishment develop the idea for this most important innovative p (hc12)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete	Valid cases: 820
Format: numeric	Invalid: 170
Width: 1	
Decimals: 0	
Range: 1-3	

#### Literal question

How did this establishment develop the idea for this most important innovative process?

Was the most important innovative process developed entirely by this establishme (hc13)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete	Valid cases: 820
Format: numeric	Invalid: 170
Width: 2	
Decimals: 0	
Range: -9-2	

#### Literal question

Was the most important innovative process developed entirely by this establishment?

Was the most important innovative process developed entirely by the parent firm (hc14)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete	Valid cases: 287
Format: numeric	Invalid: 703
Width: 2	
Decimals: 0	
Range: -9-2	

#### Literal question

Was the most important innovative process developed entirely by another firm (e.g. headquarter, sister company or any other firm within your company or independent from your company)?

Was the most important innovative process developed in cooperation with Any dome (hc15a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 99  
Invalid: 891

#### Literal question

Was the most important innovative process developed in cooperation with any of the following?

Was the most important innovative process developed in cooperation with Any fore (hc15b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 99  
Invalid: 891

#### Literal question

Was the most important innovative process developed in cooperation with any of the following?

Was the most important innovative process developed in cooperation with Domestic (hc15c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 99  
Invalid: 891

#### Literal question

Was the most important innovative process developed in cooperation with any of the following?

Was the most important innovative process developed in cooperation with Foreign (hc15d)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 99  
Invalid: 891

#### Literal question

Was the most important innovative process developed in cooperation with any of the following?

Was the most important innovative process developed in cooperation with Private (hc15e)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 99  
Invalid: 891

#### Literal question

Was the most important innovative process developed in cooperation with any of the following?

Was the most important innovative process developed in cooperation with Governme (hc15f)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 99  
Invalid: 891

#### Literal question

Was the most important innovative process developed in cooperation with any of the following?

Were employees hired specifically for the purpose of developing the most importa (hc16)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

Were employees hired specifically for the purpose of developing the most important innovative process?

From fiscal year 2009/2010 thru 2011/2012, as a consequence of introducing any i (hc17)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

From fiscal year 2009/2010 thru 2011/2012, as a consequence of introducing any i (hc17)

File: bangladesh\_2013\_innovation\_data

From fiscal year 2010 thru 2012, as a consequence of introducing any innovative processes, did the number of skilled workers employed by the establishment increase, decrease or remain the same?

From fiscal year 2009/2010 thru 2011/2012, as a consequence of introducing any i (hc18)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 820  
Invalid: 170

#### Literal question

From fiscal year 2010 thru 2012, as a consequence of introducing any innovative processes, did the number of unskilled workers employed by the establishment increase, decrease or remain the same?

Number of employees reporting directly to Top Manager in fiscal year 2011/2012 (hd1a)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-50

Valid cases: 711  
Invalid: 279

#### Pre question

I would now like to ask you some questions related to innovation in organization or management. Please note that these changes in organization or management do not necessarily need to be related to other innovations, such as product or process innovations.

All questions are about the situation in fiscal years 2010 and 2012.

#### Literal question

In fiscal year 2012, how many employees reported directly to the Top Manager of this establishment? (An employee who reports directly implies the employee meets with the Top Manager on a regular basis (middle manager)).

Number of employees reporting directly to Top Manager in fiscal year 2009/2010 (hd1b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 707  
Invalid: 283

#### Literal question

## Number of employees reporting directly to Top Manager in fiscal year 2009/2010 (hd1b)

File: bangladesh\_2013\_innovation\_data

In fiscal year 2010, how many employees reported directly to the Top Manager of this establishment?

## Number of layers of direct reporting in fiscal year 2011/2012 (hd2a)

File: bangladesh\_2013\_innovation\_data

### Overview

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

Valid cases: 711  
Invalid: 279

### Literal question

In fiscal year 2012, how many layers of direct reporting were there in this establishment from the Top Manager down to the lowest-level of employee?

## Number of layers of direct reporting in fiscal year 2009/2010 (hd2b)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-28

Valid cases: 707  
Invalid: 283

### Literal question

In fiscal year 2010, how many layers of direct reporting were there in this establishment from the Top Manager down to the lowest-level of employee?

## From fiscal year 2009/2010 thru 2011/2012, did the establishment make any change (hd3a)

File: bangladesh\_2013\_innovation\_data

### Overview

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

Valid cases: 711  
Invalid: 279

### Literal question

From fiscal year 2010 thru 2012, did the establishment make any changes in its organizational structure in any of the following ways:

Create a new unit or department

From fiscal year 2009/2010 thru 2011/2012, did the establishment make any change (hd3b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 711  
Invalid: 279

#### Literal question

From fiscal year 2010 thru 2012, did the establishment make any changes in its organizational structure in any of the following ways:  
Dissolve any units or department

From fiscal year 2009/2010 thru 2011/2012, did the establishment make any change (hd3c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 711  
Invalid: 279

#### Literal question

From fiscal year 2010 thru 2012, did the establishment make any changes in its organizational structure in any of the following ways:  
Merge any units or department

From fiscal year 2009/2010 thru 2011/2012, did this establishment contract other (hd7)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 711  
Invalid: 279

#### Literal question

From fiscal year 2010 thru 2012, did this establishment contract other firms to perform any activities previously done in-house (outsourcing)?

From fiscal year 2009/2010 thru 2011/2012, did this establishment start doing in (hd8)

File: bangladesh\_2013\_innovation\_data

#### Overview



From fiscal year 2009/2010 thru 2011/2012, did this establishment start doing in (hd8)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 711  
Invalid: 279

#### Literal question

From fiscal year 2010 thru 2012, did this establishment start doing in-house any activities previously contracted to other firms (insourcing)?

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any (hd4)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 711  
Invalid: 279

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce any change in the method of hiring employees, excluding managerial and supervisory staff?

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce any (hd5)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 711  
Invalid: 279

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce any change in the method of hiring managerial and supervisory staff?

From fiscal year 2009/2010 thru 2011/2012, did the manager(s) at this establishment (hd6a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 711  
Invalid: 279

#### Literal question

From fiscal year 2009/2010 thru 2011/2012, did the manager(s) at this establishm (hd6a)

File: bangladesh\_2013\_innovation\_data

From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from Suppliers or customers

From fiscal year 2009/2010 thru 2011/2012, did the manager(s) at this establishm (hd6b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 711  
Invalid: 279

#### Literal question

From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from Trade associations or workshops

From fiscal year 2009/2010 thru 2011/2012, did the manager(s) at this establishm (hd6c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 711  
Invalid: 279

#### Literal question

From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from New employees

From fiscal year 2009/2010 thru 2011/2012, did the manager(s) at this establishm (hd6d)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 711  
Invalid: 279

#### Literal question

From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from Competitors

From fiscal year 2009/2010 thru 2011/2012, did the manager(s) at this establishm (hd6e)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 711  
Invalid: 279

#### Literal question

From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from Consultants

In fiscal year 2011/2012 what best describes what happened at this establishment (hd9a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 711  
Invalid: 279

#### Pre question

The next questions are about changes in management practices

#### Literal question

In fiscal year 2012 what best describes what happened at this establishment when a problem arose in the production process, such as a quality defect or machinery or equipment break-downs?

In fiscal year 2009/2010 what best describes what happened at this establishment (hd9b)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-4

Valid cases: 707  
Invalid: 283

#### Literal question

In fiscal year 2010 what best describes what happened at this establishment when a problem arose in the production process, such as a quality defect or machinery or equipment break-downs?

In fiscal year 2011/2012, were key performance indicators monitored at this esta (hd10a)

File: bangladesh\_2013\_innovation\_data

#### Overview

In fiscal year 2011/2012, were key performance indicators monitored at this esta (hd10a)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 711  
Invalid: 279

#### Literal question

In fiscal year 2012, were key performance indicators monitored at this establishment? Examples of performance indicators are metrics on production, cost, waste, quality, inventory, energy, absenteeism and on-time delivery.

In fiscal year 2011/2012, how many key performance indicators were monitored at (hd10b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 513  
Invalid: 477

#### Literal question

In fiscal year 2012, how many key performance indicators were monitored at this establishment?

In fiscal year 2011/2012, how frequently were the key performance indicators rev (hd10c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 513  
Invalid: 477

#### Literal question

In fiscal year 2012, how frequently were the key performance indicators reviewed by managers at this establishment?

In fiscal year 2009/2010, were key performance indicators monitored at this esta (hd11a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 707  
Invalid: 283

#### Literal question

In fiscal year 2010, were key performance indicators monitored at this establishment?

In fiscal year 2009/2010, how many key performance indicators were monitored at (hd11b)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete	Valid cases: 500
Format: numeric	Invalid: 490
Width: 2	
Decimals: 0	
Range: -9-3	

#### Literal question

In fiscal year 2010, how many key performance indicators were monitored at this establishment?

In fiscal year 2009/2010, how frequently were the key performance indicators rev (hd11c)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete	Valid cases: 500
Format: numeric	Invalid: 490
Width: 2	
Decimals: 0	
Range: -9-5	

#### Literal question

In fiscal year 2010, how frequently were the key performance indicators reviewed by managers at this establishment?

In fiscal year 2011/2012, what best describes the time frame of production target (hd12a)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete	Valid cases: 711
Format: numeric	Invalid: 279
Width: 2	
Decimals: 0	
Range: -9-4	

#### Literal question

In fiscal year 2012, what best describes the time frame of production/sales targets at this establishment? (Production targets may include desired amounts of production, quality, efficiency, waste reduction, and on-time delivery).

In fiscal year 2011/2012, did this establishment have any performance bonus for (hd12b)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete	Valid cases: 711
Format: numeric	Invalid: 279
Width: 2	
Decimals: 0	
Range: -9-2	

#### Literal question

In fiscal year 2011/2012, did this establishment have any performance bonus for (hd12b)

File: bangladesh\_2013\_innovation\_data

In fiscal year 2012, did this establishment have any performance bonus for employees or managers?

What were these performance bonuses usually based on? (hd12c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 331  
Invalid: 659

#### Literal question

What were these performance bonuses usually based on?

In fiscal year 2009/2010, what best describes the time frame of production target (hd13a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 707  
Invalid: 283

#### Literal question

In fiscal year 2010, what best describes the time frame of production/sales targets at this establishment?

In fiscal year 2009/2010, did this establishment have any performance bonus for (hd13b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 707  
Invalid: 283

#### Literal question

In fiscal year 2010, did this establishment have any performance bonus for employees or managers?

What were these performance bonuses usually based on? (hd13c)

File: bangladesh\_2013\_innovation\_data

#### Overview

What were these performance bonuses usually based on? (hd13c)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 317  
Invalid: 673

#### Literal question

What were these performance bonuses usually based on?

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Pre question

I would now like to ask some questions related to any innovative marketing methods.

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following?  
Packaging

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following?  
Branding, logo, name, or trademark

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1c)

File: bangladesh\_2013\_innovation\_data

From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following?  
Products' appearance, excluding packaging or branding

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1d)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following?  
Advertising methods

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1e)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following?  
Promotion of the product or service

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1f)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following?  
Sales channels or sales points



From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1g)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following?  
Discount schemes

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1h)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following?  
Pricing strategies, excluding discount schemes

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1i)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following?  
Payment schemes

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1j)

File: bangladesh\_2013\_innovation\_data

#### Overview

From fiscal year 2009/2010 thru 2011/2012, did this establishment introduce or s (he1j)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following?  
Customer loyalty rewards

From fiscal year 2009/2010 thru 2011/2012, did this establishment use the servic (he2a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment use the services of a marketing firm, consumer research firm, or advertising firm?

From fiscal year 2009/2010 thru 2011/2012, how much did this establishment pay i (he2b)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 9  
Decimals: 0  
Range: -9-200000000

Valid cases: 95  
Invalid: 895

#### Literal question

From fiscal year 2010 thru 2012, how much did this establishment pay in total for those services?

From fiscal year 2009/2010 thru 2011/2012 did this establishment conduct interna (hf1a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Pre question

From fiscal year 2009/2010 thru 2011/2012 did this establishment conduct interna (hf1a)

File: bangladesh\_2013\_innovation\_data

Now, I would like to ask you a few questions about activities associated with the development of innovation.

**Literal question**

From fiscal year 2010 thru 2012 did this establishment conduct internal R&D? (Internal R&D is defined as creative work undertaken to increase knowledge for developing innovative products and processes.)

How much did this establishment spend in total from fiscal year 2009/2010 thru 2 (hf1b)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete  
Format: numeric  
Width: 8  
Decimals: 0  
Range: -9-60000000

Valid cases: 247  
Invalid: 743

**Literal question**

How much did this establishment spend in total from fiscal year 2010 thru 2012 on internal R&D?

From fiscal year 2009/2010 thru 2011/2012 did this establishment conduct externa (hf2a)

File: bangladesh\_2013\_innovation\_data

**Overview**

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

Valid cases: 990  
Invalid: 0

**Literal question**

From fiscal year 2010 thru 2012 did this establishment conduct external R&D? (External R&D is defined as creative work, undertaken by other enterprises, public or private research organizations, which was paid for by this establishment.)

How much did this establishment spend in total from fiscal year 2009/2010 thru 2 (hf2b)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete  
Format: numeric  
Width: 8  
Decimals: 0  
Range: -9-20000000

Valid cases: 70  
Invalid: 920

**Literal question**

How much did this establishment spend in total from fiscal year 2010 thru 2012 on external R&D?

From fiscal year 2009/2010 thru 2011/2012 did this establishment provide formal (hf3a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012 did this establishment provide formal training to any of its employees specifically for the development and/or introduction of innovative products or services and processes?

How much did this establishment spend in total from fiscal year 2009/2010 thru 2 (hf3b)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 8  
Decimals: 0  
Range: -9-15000000

Valid cases: 349  
Invalid: 641

#### Literal question

How much did this establishment spend in total from fiscal year 2010 thru 2012 on that formal training?

From fiscal year 2009/2010 thru 2011/2012 did this establishment purchase new eq (hf4a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012 did this establishment purchase new equipment, machinery, or software to develop or produce any innovative products or services and processes?

How much did this establishment spend in total from fiscal year 2009/2010 thru 2 (hf4b)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 9  
Decimals: 0  
Range: -9-300000000

Valid cases: 791  
Invalid: 199

How much did this establishment spend in total from fiscal year 2009/2010 thru 2 (hf4b)

File: bangladesh\_2013\_innovation\_data

**Literal question**

How much did this establishment spend in total from fiscal year 2010 thru 2012 on the purchase of that new equipment, machinery, or software?

From fiscal year 2009/2010 thru 2011/2012 did this establishment purchase or lic (hf5a)

File: bangladesh\_2013\_innovation\_data

**Overview**

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

Valid cases: 990  
Invalid: 0

**Literal question**

From fiscal year 2010 thru 2012 did this establishment purchase or license any patented or non-patented inventions, or other types of knowledge for the development of innovative products or services and processes?

How much did this establishment spend in total from fiscal year 2009/2010 thru 2 (hf5b)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete  
Format: numeric  
Width: 8  
Decimals: 0  
Range: -9-20000000

Valid cases: 40  
Invalid: 950

**Literal question**

How much did this establishment spend in total from fiscal year 2010 thru 2012 on any patented or non-patented inventions, or other types of knowledge?

From fiscal year 2009/2010 thru 2011/2012, did this establishment fund its innov (hf7a)

File: bangladesh\_2013\_innovation\_data

**Overview**

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

Valid cases: 361  
Invalid: 629

**Literal question**

From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources:  
Own funds

From fiscal year 2009/2010 thru 2011/2012, did this establishment fund its innov (hf7b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 361  
Invalid: 629

#### Literal question

From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources:  
Private or state-owned banks

From fiscal year 2009/2010 thru 2011/2012, did this establishment fund its innov (hf7c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 361  
Invalid: 629

#### Literal question

From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources:  
Government agencies or departments

From fiscal year 2009/2010 thru 2011/2012, did this establishment fund its innov (hf7d)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 361  
Invalid: 629

#### Literal question

From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources:  
NGOs or international organizations

From fiscal year 2009/2010 thru 2011/2012, did this establishment fund its innov (hf7e)

File: bangladesh\_2013\_innovation\_data

#### Overview

From fiscal year 2009/2010 thru 2011/2012, did this establishment fund its innov (hf7e)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 361  
Invalid: 629

#### Literal question

From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources:  
Other

Between fiscal years 2009/2010 and 2011/2012, did this establishment receive any (hf8)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 361  
Invalid: 629

#### Literal question

Between fiscal years 2010 and 2012, did this establishment receive any non-financial support from the government for innovation-related activities? (This includes training in the use of innovation equipment, assistance in research and product development, and assistance and training for marketing innovations)

Thinking about innovation, which of the following is the most important source o (hf6)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-12

Valid cases: 990  
Invalid: 0

#### Literal question

Thinking about innovation, which of the following is the most important source of information or ideas for any innovation activity for this establishment?

From fiscal year 2009/2010 thru 2011/2012, did this establishment Apply for a pa (hf9a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

From fiscal year 2009/2010 thru 2011/2012, did this establishment Apply for a pa (hf9a)

File: bangladesh\_2013\_innovation\_data

#### Literal question

From fiscal year 2010 thru 2012, did this establishment:  
Apply for a patent concerning a product innovation

From fiscal year 2009/2010 thru 2011/2012, did this establishment Apply for a pa (hf9b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment:  
Apply for a patent concerning a process innovation

From fiscal year 2009/2010 thru 2011/2012, did this establishment Apply for a ut (hf9c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment:  
Apply for a utility model

From fiscal year 2009/2010 thru 2011/2012, did this establishment Register an in (hf9d)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment:  
Register an industrial design



From fiscal year 2009/2010 thru 2011/2012, did this establishment Apply for a t (hf9e)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment:  
Apply for a trademark

From fiscal year 2009/2010 thru 2011/2012, did this establishment Apply for a co (hf9f)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

From fiscal year 2010 thru 2012, did this establishment:  
Apply for a copyright

Currently, what percentage of this establishment's employees regularly uses comp (ha1)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: -9-86

Valid cases: 990  
Invalid: 0

#### Pre question

I would like to ask you some questions about the use of computers and the internet in this establishment

#### Literal question

Currently, what percentage of this establishment's employees regularly uses computers in their jobs, including management?

From fiscal year 2009/2010 thru 2011/2012, did this establishment purchase or de (ha2)

File: bangladesh\_2013\_innovation\_data

#### Overview

From fiscal year 2009/2010 thru 2011/2012, did this establishment purchase or de (ha2)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 545  
Invalid: 445

#### Literal question

From fiscal year 2010 thru 2012, did this establishment purchase or develop in-house any software, which was customized to meet its needs?

From fiscal year 2009/2010 thru 2011/2012, did this establishment have any emplo (ha3)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 545  
Invalid: 445

#### Literal question

From fiscal year 2010 thru 2012, did this establishment have any employees entirely designated for IT?

From fiscal year 2009/2010 thru 2011/2012, did this establishment use the servic (ha4)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 545  
Invalid: 445

#### Literal question

From fiscal year 2010 thru 2012, did this establishment use the services of an external computer consultant or software consultant?

From fiscal year 2009/2010 thru 2011/2012, what was the total cost of these exte (ha5)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 7  
Decimals: 0  
Range: -9-5000000

Valid cases: 127  
Invalid: 863

#### Literal question

From fiscal year 2009/2010 thru 2011/2012, what was the total cost of these exte (ha5)

File: bangladesh\_2013\_innovation\_data

From fiscal year 2010 thru 2012, what was the total cost of these external computer consultant or software consultant?

Currently, does this establishment have an internet connection? (ha6)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 990  
Invalid: 0

#### Literal question

Currently, does this establishment have an internet connection?

When did this establishment first obtain an internet connection? (ha7)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: -9-2013

Valid cases: 507  
Invalid: 483

#### Literal question

When did this establishment first obtain an internet connection?

Currently, does this establishment use the internet to conduct of E-mail with cl (ha8a)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 507  
Invalid: 483

#### Literal question

Currently, does this establishment use the internet to conduct any of the following activities:  
E-mail with clients and suppliers

Currently, does this establishment use the internet to conduct of  
Internal commu (ha8b)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 507  
Invalid: 483

#### Literal question

Currently, does this establishment use the internet to conduct any of the following activities:  
Internal communication amongst employees

Currently, does this establishment use the internet to conduct of  
Online purchas (ha8c)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 507  
Invalid: 483

#### Literal question

Currently, does this establishment use the internet to conduct any of the following activities:  
Online purchases of inputs or finished goods purchased to resell

Currently, does this establishment use the internet to conduct of  
Online sales a (ha8d)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 507  
Invalid: 483

#### Literal question

Currently, does this establishment use the internet to conduct any of the following activities:  
Online sales and order fulfillment

Currently, does this establishment use the internet to conduct of  
Manage the inv (ha8e)

File: bangladesh\_2013\_innovation\_data

#### Overview

Currently, does this establishment use the internet to conduct of  
Manage the inv (ha8e)

File: bangladesh\_2013\_innovation\_data

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

Valid cases: 507  
Invalid: 483

#### Literal question

Currently, does this establishment use the internet to conduct any of the following activities:  
Manage the inventory

Currently, does this establishment use the internet to conduct of  
Marketing of p (ha8f)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 507  
Invalid: 483

#### Literal question

Currently, does this establishment use the internet to conduct any of the following activities:  
Marketing of products

Currently, does this establishment use the internet to conduct of  
Do research an (ha8g)

File: bangladesh\_2013\_innovation\_data

#### Overview

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

Valid cases: 507  
Invalid: 483

#### Literal question

Currently, does this establishment use the internet to conduct any of the following activities:  
Do research and develop ideas on new products and services

Time innovation module interview ends of Day (ha15d)

File: bangladesh\_2013\_innovation\_data

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-31

Valid cases: 990  
Invalid: 0

## Time innovation module interview ends of month (ha15m)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 6-11

Valid cases: 990  
 Invalid: 0

## Time innovation module interview ends of year (ha15y)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 2013-2014

Valid cases: 990  
 Invalid: 0

## Time innovation module interview ends of hour (ha15h)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 9-22

Valid cases: 990  
 Invalid: 0

## Time innovation module interview ends of minute (ha15min)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-59

Valid cases: 990  
 Invalid: 0

## Information about Position in the firm of the main respondent (ha21x)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Discrete  
 Format: character  
 Width: 33

Valid cases: 984  
 Invalid: 0

## Information about Years with the firm of the main respondent (ha21a)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Continuous	Valid cases: 990
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 50
Range: 1-50	

## Information about Gender of the main respondent (ha21c)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

## Information about Same respondent as ES of the main respondent (ha21d)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

## Information about Position in the firm of the second respondent (ha22x)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 84
Format: character	Invalid: 0
Width: 25	

## Information about Years with the firm of the second respondent (ha22a)

File: bangladesh\_2013\_innovation\_data

### Overview

## Information about Years with the firm of the second respondent (ha22a)

File: bangladesh\_2013\_innovation\_data

Type: Continuous	Valid cases: 84
Format: numeric	Invalid: 906
Width: 2	Minimum: 1
Decimals: 0	Maximum: 35
Range: 1-35	

## Information about Gender of the second respondent (ha22c)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 84
Format: numeric	Invalid: 906
Width: 1	
Decimals: 0	
Range: 1-2	

## Information about Same respondent as ES of the second respondent (ha22d)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 85
Format: numeric	Invalid: 905
Width: 1	
Decimals: 0	
Range: 0-2	

## INTERVIEWER COMMENTS (ha17x)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 990
Format: character	
Width: 200	

## (freshrec)

File: bangladesh\_2013\_innovation\_data

### Overview

Type: Discrete	Valid cases: 990
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 0-1	



(wstrict\_innov)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 16  
 Decimals: 0  
 Range: 1-299.897710446015

Valid cases: 990  
 Invalid: 0  
 Minimum: 1  
 Maximum: 299.9

(wmedian\_innov)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 16  
 Decimals: 0  
 Range: 1-389.541386750049

Valid cases: 990  
 Invalid: 0  
 Minimum: 1  
 Maximum: 389.5

(wweak\_innov)

File: bangladesh\_2013\_innovation\_data

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 16  
 Decimals: 0  
 Range: 1-794.322808054542

Valid cases: 990  
 Invalid: 0  
 Minimum: 1  
 Maximum: 794.3

## Related Materials

### Questionnaires

#### Innovation Follow-up Survey Questionnaire

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Title Innovation Follow-up Survey Questionnaire  
Language English  
Filename Innovation Module BGD EN 04 16 2014 v2.pdf

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### Technical documents

#### Bangladesh Innovation Follow-up Survey Note

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Title Bangladesh Innovation Follow-up Survey Note  
Language English  
Filename innovation\_follow\_up\_survey\_note.pdf

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