

South Africa - Census 2011

Statistics South Africa

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Sampling

No content available

Questionnaires

Overview

About the Questionnaire :

Much emphasis has been placed on the need for a population census to help government direct its development programmes, but less has been written about how the census questionnaire is compiled. The main focus of a population and housing census is to take stock and produce a total count of the population without omission or duplication. Another major focus is to be able to provide accurate demographic and socio-economic characteristics pertaining to each individual enumerated. Apart from individuals, the focus is on collecting accurate data on housing characteristics and services. A population and housing census provides data needed to facilitate informed decision-making as far as policy formulation and implementation are concerned, as well as to monitor and evaluate their programmes at the smallest area level possible. It is therefore important that Statistics South Africa collects statistical data that comply with the United Nations recommendations and other relevant stakeholder needs.

The United Nations underscores the following factors in determining the selection of topics to be investigated in population censuses:

- a) The needs of a broad range of data users in the country;
- b) Achievement of the maximum degree of international comparability, both within regions and on a worldwide basis;
- c) The probable willingness and ability of the public to give adequate information on the topics; and
- d) The total national resources available for conducting a census.

In addition, the UN stipulates that census-takers should avoid collecting information that is no longer required simply because it was traditionally collected in the past, but rather focus on key demographic, social and socio-economic variables. It becomes necessary, therefore, in consultation with a broad range of users of census data, to review periodically the topics traditionally investigated and to re-evaluate the need for the series to which they contribute, particularly in the light of new data needs and alternative data sources that may have become available for investigating topics formerly covered in the population census. It was against this background that Statistics South Africa conducted user consultations in 2008 after the release of some of the Community Survey products. However, some groundwork in relation to core questions recommended by all countries in Africa has been done. In line with users' meetings, the crucial demands of the Millennium Development Goals (MDGs) should also be met. It is also imperative that Stats SA meet the demands of the users that require small area data.

Accuracy of data depends on a well-designed questionnaire that is short and to the point. The interview to complete the questionnaire should not take longer than 18 minutes per household. Accuracy also depends on the diligence of the enumerator and honesty of the respondent. On the other hand, disadvantaged populations, owing to their small numbers, are best covered in the census and not in household sample surveys. Variables such as employment/unemployment, religion, income, and language are more accurately covered in household surveys than in censuses. Users'/stakeholders' input in terms of providing information in the planning phase of the census is crucial in making it a success. However, the information provided should be within the scope of the census.

1. The Household Questionnaire is divided into the following sections:

- Household identification particulars
- Individual particulars

Section A: Demographics

Section B: Migration

Section C: General Health and Functioning

Section D: Parental Survival and Income

Section E: Education

Section F: Employment

Section G: Fertility (Women 12-50 Years Listed)

Section H: Housing, Household Goods and Services and Agricultural Activities

Section I: Mortality in the Last 12 Months

The Household Questionnaire is available in Afrikaans; English; isiZulu; IsiNdebele; Sepedi; SeSotho; SiSwati; Tshivenda; Xitsonga

2. The Transient and Tourist Hotel Questionnaire (English) is divided into the following sections:

- Name, Age, Gender, Date of Birth, Marital Status, Population Group, Country of birth, Citizenship, Province.

3. The Questionnaire for Institutions (English) is divided into the following sections:

- Particulars of the institution
- Availability of piped water for the institution
- Main source of water for domestic use
- Main type of toilet facility
- Type of energy/fuel used for cooking, heating and lighting at the institution
- Disposal of refuse or rubbish
- Asset ownership (TV, Radio, Landline telephone, Refrigerator, Internet facilities)
- List of persons in the institution on census night (name, date of birth, sex, population group, marital status, barcode number)

4. The Post Enumeration Survey Questionnaire (English)

These questionnaires are provided as external resources.

Data Collection

Data Collection Dates

Start	End	Cycle
2011-10-09	2011-10-31	N/A

Data Collection Mode

Face-to-face [f2f]

DATA COLLECTION NOTES

How the count was done

Census 2011 was conducted from 9th to 31st October 2011. This section focuses on the various activities that were carried out prior to the finalisation of the results. They can be summarised as follows: Planning, Pre-enumeration, Enumeration, Processing and Editing.

Planning

This process involved the development of the overall strategy, the structure for the project, component plans and budget. These processes were started in 2003 and were subsequently reviewed in 2008, after the completion of the Community Survey (CS) in 2007. Methodologies and procedures were then developed and tested in a form of mini tests and pilot in 2008 and 2009 respectively. The findings from these tests helped to refine the plans and methods for the final test in 2010 called the "Dress Rehearsal". The latter was expected to be a replica of how the actual count was to be conducted in 2011, and therefore the timing had to be the same month as the main Census, i.e. October month.

Pre-enumeration

The pre-enumeration phase mainly involved the final preparatory work before the actual count. It started with mass production of Census instruments like questionnaires, manuals, field gear etc. The phase also involved acquisition of satellite offices required in the districts, recruitment of the 1st level of field management staff (District Census Coordinators - 130 DCCs) and Field work Co-ordinators - 6 000 FWCs. These groups of people were then given intense training based on their key performance areas. At the same time the country was being sub-divided into small pockets called enumeration areas (EAs); the underlying principle for this sub-division is that an EA should be within reach of a Fieldworker and all households in that EA can be covered within the allocated number of days. This process yielded 103 576 EAs. The other benefit for this sub-division is the finalisation of the distribution plan of all materials required in the provinces and districts. It also gives a better estimate of the number of field staff to recruit for the count. The pre-enumeration phase involved over 7 000 staff.

Enumeration

The enumeration phase, started with the training of supervisors as listers. Each person had to list all dwellings within an EA and had a minimum of 4 EAs to cover. These areas were called supervisory units. As they were listing, they were also expected to publicise the activities of the Census within their supervisory units. Upon completion of listing, final adjustments of workload and number of enumerators required were finalised. Training of enumerators started in earnest, and it mainly covered how to complete the questionnaire and to read a map. The latter was to aid them to identify the boundaries of their assigned areas. An enumerator was also given a few days before the start of the count to update their orientation book with any developments that might have happened since listing, as well as introduce themselves to the communities they were to work with, through posters bearing their photos and special identification cards. On the night of the 9th October the actual count started with the homeless and special institutions given special attention. The enumeration phase was undertaken by an army of field staff in excess of 160 000, inclusive of management.

Data Collectors

Name	Abbreviation	Affiliation
Statistics South Africa		

Data Processing

Data Editing

Data editing and validation system

The execution of each phase of Census operations introduces some form of errors in Census data. Despite quality assurance methodologies embedded in all the phases; data collection, data capturing (both manual and automated), coding, and editing, a number of errors creep in and distort the collected information. To promote consistency and improve on data quality, editing is a paramount phase in identifying and minimising errors such as invalid values, inconsistent entries or unknown/missing values. The editing process for Census 2011 was based on defined rules (specifications).

The editing of Census 2011 data involved a number of sequential processes: selection of members of the editing team, review of Census 2001 and 2007 Community Survey editing specifications, development of editing specifications for the Census 2011 pre-tests (2009 pilot and 2010 Dress Rehearsal), development of firewall editing specifications and finalisation of specifications for the main Census.

Editing team

The Census 2011 editing team was drawn from various divisions of the organisation based on skills and experience in data editing. The team thus composed of subject matter specialists (demographers and programmers), managers as well as data processors. Census 2011 editing team was drawn from various divisions of the organization based on skills and experience in data editing. The team thus composed of subject matter specialists (demographers and programmers), managers as well as data processors.

The Census 2011 questionnaire was very complex, characterised by many sections, interlinked questions and skipping instructions. Editing of such complex, interlinked data items required application of a combination of editing techniques. Errors relating to structure were resolved using structural query language (SQL) in Oracle dataset. CSPro software was used to resolve content related errors. The strategy used for Census 2011 data editing was implementation of automated error detection and correction with minimal changes. Combinations of logical and dynamic imputation/editing were used. Logical imputations were preferred, and in many cases substantial effort was undertaken to deduce a consistent value based on the rest of the household's information. To profile the extent of changes in the dataset and assess the effects of imputation, a set of imputation flags are included in the edited dataset. Imputation flags values include the following:

- 0 no imputation was performed; raw data were preserved
- 1 Logical editing was performed, raw data were blank
- 2 logical editing was performed, raw data were not blank
- 3 hot-deck imputation was performed, raw data were blank
- 4 hot-deck imputation was performed, raw data were not blank

Other Processing

The processing of over 15 million questionnaires commenced in January 2012, immediately after the completion of the reverse logistics in December 2011. Each box and its contents were assigned a store location in the processing centre via a store management system. Each time a box was required for any process it was called through this system. The processing phase was sub-divided in the following processes: primary preparation - where all completed questionnaires were grouped into clusters of 25 and the spine of the questionnaire cut off. Secondary preparation - where questionnaires were finally prepared for scanning, by removing foreign materials in between pages and ensure that all pages are loose. Scanning - questionnaires were put through a scanner to create an electronic image. Finally Tilling and completion - where any unrecognized reading/ badly-read image by the scanner had to be verified by a data capturer. This process took 8 months. Over 2 000 data processors working 3 shifts per day were employed for this phase to ensure that 225 million single pages are accounted for.

Data Appraisal

Other forms of Data Appraisal

Independent monitoring and evaluation of Census field activities

Independent monitoring of the Census 2011 field activities was carried out by a team of 31 professionals and 381 Monitoring and Evaluation Monitors from Monitoring and Evaluation division. These included field training, publicity, listing and enumeration. This was to make sure that the activities were implemented according to the plans and have independent reports on the same. They also conducted Census 2011 and the Post Enumeration Survey (PES) Verification studies to identify the out-of-scope cases within Census (a sample of 7 220 EAs) and the PES sample (600 EAs) as reported in the Census 2011 PES EA Summary Books.

Post-enumeration survey (PES)

A post-enumeration survey (PES) is an independent sample survey that is conducted immediately after the completion of Census enumeration in order to evaluate the coverage and content errors of the Census. The PES for Census 2011 was undertaken shortly after the completion of Census enumeration, from November to December 2011, in approximately 600 enumeration areas (EAs) (which later increased to 608 due to subdivision of large EAs). The main goal of the PES was to collect high quality data that would be compared with Census data in order to determine how many people were missed in the Census and how many were counted more than once. A population Census is a massive exercise, and while every effort is made to collect information on all individuals in the country, including the implementation of quality assurance measures, it is inevitable that some people will be missed and some will be counted more than once. A PES assists in identifying the following types of errors:

- Coverage error: this includes both erroneous omissions (e.g. a household that was not enumerated) and erroneous inclusions (e.g. a household that moved into the enumeration area (EA) after Census but was still enumerated, or a household that was enumerated more than once).
- Content error: this refers to the errors on the reported characteristics of the people or households enumerated during Census. The errors may emanate from the following reasons:
 - Failure to account for all inhabited areas in the EA frame;
 - EA boundary problems;
 - Incomplete listing of structures and failure to identify all dwellings within an EA;
 - Failure to enumerate/visit all listed dwellings within an EA;
 - Failure to identify all households within a dwelling unit in instances whereby a dwelling unit has more than one household;
 - Failure to enumerate households (complete questionnaires) for all households due to refusals, unreturned questionnaires for self-enumeration, inability to contact households, etc);
 - Failure to include all individuals within households;
 - Failure to observe the inclusion rule based on a person's presence on Census night (i.e. failure to apply the de facto rule accurately); and
 - Lost questionnaires or damaged questionnaires that could not be processed.

Usually more people are missed during a Census, so the Census count of the population is lower than the true population. This difference is called net undercount. Rates of net undercount can vary significantly for different population groups depending on factors such as sex, age and geographic location. Stats SA obtains estimates of the net undercount, including the type and extent of content errors (reported characteristics of persons and households enumerated in the Census) using information collected through the PES.

- Sections 1.2.7.1 of the report provides more information on the preparation, methodology, sampling and implementation of the PES.

File Description

Variable List

mortality_10pct_sample_v1_F1

Content	Individual level data
Cases	40303
Variable(s)	12
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1	SN	Serial number	discrete	numeric	
V2	M02_MONTH	Date of death - month	discrete	numeric	
V3	M02_YEAR	Date of death - year	discrete	numeric	
V4	M03_SEX	Sex of deceased	discrete	numeric	
V5	M04_AGE	Age of deceased	contin	numeric	
V6	M05_CAUSE	Did person die unnatural or natural death	discrete	numeric	
V7	M_MX_POP_GROUP	Majority population group	discrete	numeric	
V8	M_GEOTYPE	Geo type	discrete	numeric	
V9	M_PROVINCE	Province	discrete	numeric	
V10	M_DISTRICT	District	discrete	numeric	
V11	M_MUNIC	Municipality	discrete	numeric	
V12	MORTALITY_10PERCENT_WEIGHT	Mortality 10% sample weight	contin	numeric	

household_10pct_sample_v1_F1

Content	Household level data
Cases	1194122
Variable(s)	56
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V13	QN_TYPE	Questionnaire type	discrete	numeric	
V14	SN	Serial number	discrete	numeric	
V15	H01_QUARTERS	Type of living quarters	discrete	numeric	
V16	H02_MAINDWELLING	Type of main dwelling - main	discrete	numeric	
V17	H02_OTHERDWELLING	Type of main dwelling - other	discrete	numeric	
V18	H02A_ROOF	Construction material - Roof	discrete	numeric	
V19	H02A_WALL	Construction material - Wall	discrete	numeric	
V20	H03_DININGROOMS	Rooms -Dining	contin	numeric	
V21	H03_LIVINGROOMS	Rooms -Living	contin	numeric	
V22	H03_DINING_LIVING	Rooms -Dining/Living	contin	numeric	
V23	H03_BEDROOMS	Rooms - Bedrooms	contin	numeric	
V24	H03_STUDYROOMS	Rooms - Study	contin	numeric	
V25	H03_MULTIPLE_USE	Rooms-One room with multiple uses	contin	numeric	
V26	H03_OTHERROOMS	Rooms - Other rooms	contin	numeric	
V27	H03_TOTROOMS	Rooms - Total	contin	numeric	
V28	H04_TENURE	Tenure status	discrete	numeric	
V29	H07_WATERPIPED	Access to piped water	discrete	numeric	
V30	H08_WATERSOURCE	Source of water	discrete	numeric	
V31	H09_WATERSUPPLY	Reliability of water supply	discrete	numeric	
V32	H09A_WATERSUPPLY	Did interruption of water supply last longer than two days	discrete	numeric	
V33	H09B_ALT_WATERSOURCE	Alternative water source	discrete	numeric	
V34	H10_TOILET	Toilet facilities	discrete	numeric	
V35	H11_ENERGY_COOKING	Energy or fuel for cooking	discrete	numeric	
V36	H11_ENERGY_HEATING	Energy or fuel for heating	discrete	numeric	
V37	H11_ENERGY_LIGHTING	Energy or fuel for lighting	discrete	numeric	
V38	H12_REFUSE	Refuse or rubbish	discrete	numeric	
V39	H13_REFRIDGERATOR	Refrigerator	discrete	numeric	
V40	H13_STOVE	Electric/gas stove	discrete	numeric	

ID	Name	Label	Type	Format	Question
V41	H13_VACUUM	Vacuum cleaner	discrete	numeric	
V42	H13_WASHINGM	Washing machine	discrete	numeric	
V43	H13_COMPUTER	Computer	discrete	numeric	
V44	H13_SATELLITE	Satellite television	discrete	numeric	
V45	H13_DVD_PLAYER	DVD player	discrete	numeric	
V46	H13_MOTORCAR	Motor-car	discrete	numeric	
V47	H13_TV	Television	discrete	numeric	
V48	H13_RADIO	Radio	discrete	numeric	
V49	H13_LANDLINE	Landline/telephone	discrete	numeric	
V50	H13_CELLPHONE	Cell phone	discrete	numeric	
V51	H13_POSTBOX	Mail Post box/bag	discrete	numeric	
V52	H13_RESIDENTIAL_MAIL	Mail delivered at residence	discrete	numeric	
V53	H13A_INTERNET	Access to internet	discrete	numeric	
V54	HM00_DEATHS	Death occurred	discrete	numeric	
V55	HM00A_DEATHSNO	Number of deaths	discrete	numeric	
V56	DERH_HHAGE	Age of head of the household	discrete	numeric	
V57	DERH_HHPOP	Population group of head of the household	discrete	numeric	
V58	DERH_HHSEX	Sex of head of the household	discrete	numeric	
V59	DERH_HINCOME	Income value of head of the household	contin	numeric	
V60	DERH_HH_EMPLOY_STATUS	Employment status of head of the household	discrete	numeric	
V61	DERH_HSIZE	Household size	contin	numeric	
V62	DERH_XPOP	Majority population group in the household	discrete	numeric	
V63	DERH_INCOME_CLASS	Annual household income	discrete	numeric	
V64	H_GEOTYPE	Geo type	discrete	numeric	
V65	H_PROVINCE	Province	discrete	numeric	
V66	H_DISTRICT	District	discrete	numeric	
V67	H_MUNIC	Municipality	discrete	numeric	
V68	HHLD_10PERCENT_WGT	Housing 10% sample weight	contin	numeric	

Serial number (SN)

File: mortality_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 40303
Format: numeric	Invalid: 0
Width: 11	Minimum: 10000164605
Decimals: 0	Maximum: 12249958258
Range: 10000164605-12249958258	

Date of death - month (M02_MONTH)

File: mortality_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 40303
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-12	

Date of death - year (M02_YEAR)

File: mortality_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 40303
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: 2010-2011	

Sex of deceased (M03_SEX)

File: mortality_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 40303
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-9	

Age of deceased (M04_AGE)

File: mortality_10pct_sample_v1_F1

Overview

Type: Continuous	Valid cases: 39253
Format: numeric	Invalid: 1050
Width: 3	
Decimals: 0	
Range: 0-999	
Invalid: 999	

Did person die unnatural or natural death (M05_CAUSE)

File: mortality_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 40303
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-9	

Majority population group (M_MX_POP_GROUP)

File: mortality_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 40288
Format: numeric	Invalid: 15
Width: 1	
Decimals: 0	
Range: 1-5	

Geo type (M_GEOTYPE)

File: mortality_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 40303
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-3	

Province (M_PROVINCE)

File: mortality_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 40303
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-9	

District (M_DISTRICT)

File: mortality_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 40303
Format: numeric	Invalid: 0
Width: 3	
Decimals: 0	
Range: 101-947	

Municipality (M_MUNIC)

File: mortality_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 40303
Format: numeric	Invalid: 0
Width: 3	
Decimals: 0	
Range: 160-987	

Mortality 10% sample weight (MORTALITY_10PERCENT_WEIGHT)

File: mortality_10pct_sample_v1_F1

Overview

Type: Continuous	Valid cases: 40303
Format: numeric	Invalid: 0
Width: 12	Minimum: 7.8
Decimals: 9	Maximum: 30.2
Range: 7.837441548-30.23488632	

Questionnaire type (QN_TYPE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-1	

Serial number (SN)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 11	Minimum: 10000001009
Decimals: 0	Maximum: 12249999677
Range: 10000001009-12249999677	

Type of living quarters (H01_QUARTERS)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Type of main dwelling - main (H02_MAINDWELLING)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-12	

Type of main dwelling - other (H02_OTHERDWELLING)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-99	

Construction material - Roof (H02A_ROOF)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete
Format: numeric
Width: 2
Decimals: 0
Range: 2-13

Valid cases: 1194122
Invalid: 0

Construction material - Wall (H02A_WALL)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete
Format: numeric
Width: 2
Decimals: 0
Range: 1-13

Valid cases: 1194122
Invalid: 0

Rooms -Dining (H03_DININGROOMS)

File: household_10pct_sample_v1_F1

Overview

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

Valid cases: 1194122
Invalid: 0

Rooms -Living (H03_LIVINGROOMS)

File: household_10pct_sample_v1_F1

Overview

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

Valid cases: 1194122
Invalid: 0

Rooms -Dining/Living (H03_DINING_LIVING)

File: household_10pct_sample_v1_F1

Overview

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

Valid cases: 1194122
Invalid: 0

Rooms - Bedrooms (H03_BEDROOMS)

File: household_10pct_sample_v1_F1

Overview

Type: Continuous	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 0-5	

Rooms - Study (H03_STUDYROOMS)

File: household_10pct_sample_v1_F1

Overview

Type: Continuous	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 0-2	

Rooms-One room with multiple uses (H03_MULTIPLE_USE)

File: household_10pct_sample_v1_F1

Overview

Type: Continuous	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-1	

Rooms - Other rooms (H03_OTHERROOMS)

File: household_10pct_sample_v1_F1

Overview

Type: Continuous	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 0-5	

Rooms - Total (H03_TOTROOMS)

File: household_10pct_sample_v1_F1

Overview

Type: Continuous	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-20	

Tenure status (H04_TENURE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-5	

Access to piped water (H07_WATERPIPED)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-7	

Source of water (H08_WATERSOURCE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-9	

Reliability of water supply (H09_WATERSUPPLY)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 954128
Format: numeric	Invalid: 239994
Width: 1	
Decimals: 0	
Range: 1-2	

Did interruption of water supply last longer than two days (H09A_WATERSUPPLY)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 356968
Format: numeric	Invalid: 837154
Width: 1	
Decimals: 0	
Range: 1-2	

Alternative water source (H09B_ALT_WATERSOURCE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 235652
Format: numeric	Invalid: 958470
Width: 1	
Decimals: 0	
Range: 0-8	

Toilet facilities (H10_TOILET)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 0-7	

Energy or fuel for cooking (H11_ENERGY_COOKING)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 0-9	

Energy or fuel for heating (H11_ENERGY_HEATING)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 0-9	

Energy or fuel for lighting (H11_ENERGY_LIGHTING)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 0-8	

Refuse or rubbish (H12_REFUSE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-6	

Refrigerator (H13_REFRIDGERATOR)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Electric/gas stove (H13_STOVE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Vacuum cleaner (H13_VACUUM)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Washing machine (H13_WASHINGM)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Computer (H13_COMPUTER)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Satellite television (H13_SATELLITE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

DVD player (H13_DVD_PLAYER)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Motor-car (H13_MOTORCAR)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Television (H13_TV)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Radio (H13_RADIO)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Landline/telephone (H13_LANDLINE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Cell phone (H13_CELLPHONE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Mail Post box/bag (H13_POSTBOX)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Mail delivered at residence (H13_RESIDENTIAL_MAIL)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

Access to internet (H13A_INTERNET)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-5	

Death occurred (HM00_DEATHS)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-3	

Number of deaths (HM00A_DEATHSNO)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 37097
Format: numeric	Invalid: 1157025
Width: 1	
Decimals: 0	
Range: 1-8	

Age of head of the household (DERH_HHAGE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 3	
Decimals: 0	
Range: 10-999	

Population group of head of the household (DERH_HHPOP)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-9	

Sex of head of the household (DERH_HHSEX)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-9	

Income value of head of the household (DERH_HINCOME)

File: household_10pct_sample_v1_F1

Overview

Type: Continuous	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 7	Minimum: 0
Decimals: 0	Maximum: 4915200
Range: 0-4915200	

Employment status of head of the household
(DERH_HH_EMPLOY_STATUS)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-5	

Household size (DERH_HSIZE)

File: household_10pct_sample_v1_F1

Overview

Type: Continuous	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 37
Range: 1-37	

Majority population group in the household (DERH_XPOP)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1192397
Format: numeric	Invalid: 1725
Width: 1	
Decimals: 0	
Range: 1-5	

Annual household income (DERH_INCOME_CLASS)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-99	

Geo type (H_GEOTYPE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-3	

Province (H_PROVINCE)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-9	

District (H_DISTRICT)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 3	
Decimals: 0	
Range: 101-947	

Municipality (H_MUNIC)

File: household_10pct_sample_v1_F1

Overview

Type: Discrete	Valid cases: 1194122
Format: numeric	Invalid: 0
Width: 3	
Decimals: 0	
Range: 160-987	

Housing 10% sample weight (HHLD_10PERCENT_WGT)

File: household_10pct_sample_v1_F1

Overview

Type: Continuous
Format: numeric
Width: 12
Decimals: 9
Range: 9.902743093-28.787188127

Valid cases: 1194122
Invalid: 0
Minimum: 9.9
Maximum: 28.8

Related Materials

Questionnaires

Huishoudingsvraelys

Title Huishoudingsvraelys
 Country South Africa
 Language Afrikaans
 Filename ZAF2011zuHh.pdf

Household Questionnaire

Title Household Questionnaire
 Country South Africa
 Language English
 Filename ZAF2011enHh.pdf

Questionnaire A: Household Survey (Sesotho)

Title Questionnaire A: Household Survey (Sesotho)
 Country South Africa
 Language Sesotho
 Filename Census 2011_questionnaire_Sesotho.pdf

Questionnaire A: Household Survey (Siswati)

Title Questionnaire A: Household Survey (Siswati)
 Country South Africa
 Language Siswati
 Filename Census 2011_questionnaire_SiSwati.pdf

Questionnaire A: Household Survey (Tshivenda)

Title Questionnaire A: Household Survey (Tshivenda)
 Country South Africa
 Language Tshivenda
 Filename Census 2011_questionnaire_Tshivenda.pdf

Questionnaire A: Household Survey (Xitsonga)

Title Questionnaire A: Household Survey (Xitsonga)
 Country South Africa
 Language Xitsonga
 Filename Census 2011_questionnaire_Xitsonga.pdf

Questionnaire A: Household Survey (Sepedi)

Title Questionnaire A: Household Survey (Sepedi)
Country South Africa
Language Sepedi
Filename Census 2011_questionnaire_Sepedi.pdf

Transient and Tourist Hotel Questionnaire

Title Transient and Tourist Hotel Questionnaire
Country South Africa
Language English
Filename ZAF2011enHotels.pdf

Questionnaire for Institutions Only

Title Questionnaire for Institutions Only
Country South Africa
Language English
Filename ZAF2011enInstitutions.pdf

Household Questionnaire Post Enumeration Survey (PES)

Title Household Questionnaire Post Enumeration Survey (PES)
Country South Africa
Language English
Filename ZAF2011enPES.pdf

Statistical Release (Revised)

Title Statistical Release (Revised)
Author(s) Statistics South Africa
Country South Africa
Language English

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Filename P030142011.pdf

Reports

Statistical release

Title Statistical release
 Date 2012-01-01
 Country South Africa
 Language English
 Publisher(s) Statistics South Africa
 Description This is the final report provided with the Census 2011 dataset
 Filename census-2011-release.pdf

Highlights of key results

Title Highlights of key results
 Date 2012-01-01
 Country South Africa
 Language English
 Publisher(s) Statistics South Africa
 Description This document reports the main findings of the census
 Filename census-2011-key-results.pdf

Technical documents

Census Undercount and Strategies

Title Census Undercount and Strategies
 subtitle Version 6
 Country South Africa
 Language english
 Filename Census_2011_Undercount Strategies-version_6a.pdf

Census Information Guide

Title Census Information Guide
 Author(s) Statistics South Africa
 Country South Africa
 Language English
 Filename Census_info_guide.pdf

How the count was done

Title How the count was done
 Date 2012-01-01
 Country South Africa
 Language English
 Publisher(s) Statistics South Africa
 Description This document gives an overview of the census process
 Filename census-2011-how-the-count-was-done.pdf

Post Enumeration survey

Title Post Enumeration survey
 Date 2012-01-01
 Country South Africa
 Language English
 Publisher(s) Statistics South Africa
 Description This documents the Post-Enumeration survey process
 Filename census-2011-post-enumeration-survey.pdf

[Census 2011 record layout]

Title [Census 2011 record layout]
 Date 2014-01-01
 Country South Africa
 Language English
 Publisher(s) Statistics South Africa
 Description This provides information on record layouts in the census data files
 Filename census-2011-record-layout.xls

Census 2011: Geography metadata

Title Census 2011: Geography metadata
 Date 2012-01-01
 Country South Africa
 Publisher(s) Statistics South Africa
 Description The Census 2011 geography metadata document details the geographic levels in the census data.
 Filename census-2011-10%-geography.pdf

An assessment of household deaths collected during Census 2011

Title An assessment of household deaths collected during Census 2011
 Date 2014-04-01
 Country South Africa
 Language English
 Publisher(s) Statistics South Africa
 Description This document give details on collection of data on household deaths, from section I: Mortality in the last 12 months in census questionnaire A.
 Filename census-2011-deaths.pdf

Census 2011 10% sample metadata

Title Census 2011 10% sample metadata
 Date 2012-01-01
 Country South Africa
 Language English
 Publisher(s) Statistics South Africa
 Description The SA Census 2011 10% sample metadata document provides information to assist data users to analyse the data from the census
 Filename census-2011-10% sample-metadata.pdf

Other materials

20140414-country-municipal-codes.xlsx

Title 20140414-country-municipal-codes.xlsx
Date 2014-01-01
Country South Africa
Language English
Publisher(s) Statistics SA
Description This is a list of codes for countries and municipalities in the Census 2011 dataset
Filename 20140414-country-municipal-codes.xlsx

census-2011-geography-datafirst.xlsx

Title census-2011-geography-datafirst.xlsx
Date 2014-01-01
Country South Africa
Language English
Contributor(s) DataFirst
Description This is a reference document which lists geography for the 2011 South African census at Small Area Layer level
Filename census-2011-geography-datafirst.xlsx
