

# World Bank Enterprise Survey 2023

**World Bank Group (WBG)**

report\_generated\_on: January 24, 2025

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## Identification

### SURVEY ID NUMBER

RWA\_2023\_WBES\_v01\_M

### TITLE

World Bank Enterprise Survey 2023

### ABBREVIATION OR ACRONYM

WBES 2023

### COUNTRY

Name	Country code
Rwanda	RWA

### STUDY TYPE

Enterprise Survey [en/oth]

### SERIES INFORMATION

As part of its strategic goal of building a climate for investment, job creation, and sustainable growth, the World Bank has promoted improving business environments as a key strategy for development, which has led to a systematic effort in collecting enterprise data across countries. The Enterprise Surveys are an ongoing World Bank project in collecting both objective data based on firms' experiences and enterprises' perception of the environment in which they operate.

An Enterprise Survey is a firm-level survey of a representative sample of an economy's private sector. Firm-level surveys have been conducted since 1998 by different units within the World Bank. Since 2005-2006, most data collection efforts have been centralized within the Enterprise Analysis Unit. The Enterprise Surveys are conducted across all geographic regions and cover small, medium, and large companies. The surveys are administered to a representative sample of firms in the non-agricultural formal private economy. Data are used to create indicators that benchmark the quality of the business and investment climate across countries.

The World Bank Enterprise Surveys (WBES) collect both objective data based on firms' day-to-day experiences, and perceptions of enterprises regarding the business environment in which they operate. The WBES currently cover over 207,000 firms in 158 countries with a total of 333 surveys since 2006. The WBES are also used to build a panel of enterprise data that will make it possible to track changes in the business environment over time.

### ABSTRACT

The World Bank Enterprise Survey (WBES) is a firm-level survey of a representative sample of an economy's private sector. The surveys cover a broad range of topics related to the business environment including access to finance, corruption, infrastructure, competition, and performance.

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

The primary sampling unit of the study is the establishment. An establishment is a physical location where business is carried out and where industrial operations take place or services are provided. A firm may be composed of one or more establishments. For example, a brewery may have several bottling plants and several establishments for distribution. For the purposes of this survey an establishment must make its own financial decisions and have its own financial statements separate from those of the firm. An establishment must also have its own management and control over its payroll.

## Scope

### NOTES

The 2023 Rwanda World Bank Enterprise Survey covered the following topics:

- General information of a firm/ establishment
- Infrastructure and services
- Sales and supplies

- Commercial disputes
- Management practices
- Degree of competition
- Innovation
- Capacity
- Land and permits
- Green economy
- Finance
- Business-Government relations
- Labor
- Business environment
- Performance

## Coverage

### GEOGRAPHIC COVERAGE

#### National coverage

### UNIVERSE

The universe of inference includes all formal (i.e., registered) private sector businesses (with at least 1% private ownership) and with at least five employees. In terms of sectoral criteria, all manufacturing businesses (ISIC Rev 4. codes 10-33) are eligible; for services businesses, those corresponding to the ISIC Rev 4 codes 41-43, 45-47, 49-53, 55-56, 58, 61-62, 69-75, 79, and 95 are included in the Enterprise Surveys. Cooperatives and collectives are excluded from the Enterprise Surveys. All eligible establishments must be registered with the registration agency. In the case of Rwanda, registration was from the Rwanda Revenue Authority (RRA).

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name
World Bank Group (WBG)

### FUNDING AGENCY/SPONSOR

Name	Abbreviation
World Bank Group	WBG

## Sampling

### SAMPLING PROCEDURE

The WBES use stratified random sampling, where the population of establishments is first separated into non-overlapping groups, called strata, and then respondents are selected through simple random sampling from each stratum. The detailed methodology is provided in the Sampling Note

([https://www.enterprisesurveys.org/content/dam/enterprisesurveys/documents/methodology/Sampling\\_Note-Consolidated-2-16-22.pdf](https://www.enterprisesurveys.org/content/dam/enterprisesurveys/documents/methodology/Sampling_Note-Consolidated-2-16-22.pdf)). Stratified random sampling has several advantages over simple random sampling. In particular, it:

- produces unbiased estimates of the whole population or universe of inference, as well as at the levels of stratification
- ensures representativeness by including observations in all of those categories
- produces more precise estimates for a given sample size or budget allocation, and
- may reduce implementation costs by splitting the population into convenient subdivisions.

The WBES typically use three levels of stratification: industry classification, establishment size, and subnational region (used in combination). Starting in 2022, the WBES bases the industry classification on ISIC Rev. 4 (with earlier surveys using ISIC Rev. 3.1). For regional coverage within a country, the WBES has national coverage.

Note: Refer to Sampling Structure section in "The Rwanda 2023 World Bank Enterprise Survey Implementation Report" for

detailed methodology on sampling.

#### RESPONSE RATE

Overall survey response rate was 51.7%.

#### WEIGHTING

Since the WBES uses stratified random sampling, individual observations should be properly weighted when making inferences about the population, since unweighted estimates are biased unless sample sizes are proportional to the size of each stratum. For each WBES, special care is given to correctly compute sampling weights. Whenever the Universe is used to draw the sample (i.e., Sampling Frame is the same as the Universe) it is imperative to accurately adjust the universe within each stratum to account for the presence of ineligible establishments (e.g., the firm discontinued businesses, or is deemed ineligible due to its business activity or having fewer than five employees). Proper treatment of panel establishments is also crucial. Details about how the WBES sampling weights are calculated are given in the Sampling Note section of "The Rwanda 2023 World Bank Enterprise Survey Implementation Report".

Three versions of sampling weights are calculated, depending on the assumptions that determine eligibility of establishments to be counted towards the WBES universe.

## Data collection

#### DATES OF DATA COLLECTION

Start	End
2023-05	2024-02

#### DATA COLLECTION MODE

Face-to-face [f2f]

#### DATA COLLECTION NOTES

Detailed information on the WBES methodology and data collection is provided in the Enterprise Surveys Manual and Guide (<https://www.enterprisesurveys.org/content/dam/enterprisesurveys/documents/methodology/Enterprise-Surveys-Manual-and-Guide.pdf>). The interviews for the Rwanda 2023 WBES were conducted between May 2023 and February 2024. The interviews were conducted in Kinyarwanda.

The fieldwork for the Rwanda 2023 WBES was implemented by Verian, formerly known as Kantar Public, the main contractor, in collaboration with OutReach Development Solutions (ODS).

## questionnaires

#### QUESTIONNAIRES

The standard WBES questionnaire covers several topics regarding the business environment and business performance. These topics include general firm characteristics, infrastructure, sales and supplies, management practices, competition, innovation, capacity, land and permits, finance, business-government relations, exposure to bribery, labor, and performance. Information about the general structure of the questionnaire is available in the Enterprise Surveys Manual and Guide (<https://www.enterprisesurveys.org/content/dam/enterprisesurveys/documents/methodology/Enterprise-Surveys-Manual-and-Guide.pdf>).

The questionnaire implemented in the Rwanda 2023 WBES included additional questions tailored for the Business Ready Report covering infrastructure, trade, government regulations, finance, labor, and other topics.

## data\_processing

#### METHODOLOGY NOTES

The WBES datafiles are organized in ways that reflect the corresponding questionnaire. The variables that are standard across countries have the first letter in their name correspond to the questionnaire section where the variable belongs in the questionnaire, i.e., a1 denotes section A. All variables are numeric with the exception of those variables with an "x" at the end of their names. The suffix "x" denotes that the variable is alpha-numeric.

The WBES datafiles contain two establishment identifiers, `idstd` and `id`. The former is a global unique identifier of each establishment, while the latter is unique identifier within each survey. The variable `idstd` can be used to match the WBES establishment one-to-one across databases. The variables `wweak`, `wmedian`, and `wstrong` corresponding to sampling weights based on, respectively, weak, median, and strong assumptions about eligibility (see Section III.6 of "The Rwanda 2023 World Bank Enterprise Survey Implementation Report"). The variable `strata` corresponds to the stratum of each observation.

Additionally, the WBES datafiles contain many standard variables. The variable `d1a2_v4` denotes the main activity of the establishment, as obtained during the WBES interview, coded in the four-digit ISIC Rev. 4. Users should note that this activity may differ from the industry classification given in the Sampling Frame, `a4a`. Users are generally advised to use industry categories based on the realized information in `d1a2_v4`. Additional sampling information is contained in variables `a2` (region) and `a6a` (size). The variable `panel` identifies panel establishments, i.e., those that participated in the Rwanda 2019 WBES. The combination of `a4a`, `a2`, `a6a`, and `panel` forms stratum of each establishment, which is contained in variable `strata`.

The last complete fiscal year for each establishment is contained in variables `a20m` (last month of last complete fiscal year) and `a20y` (last complete fiscal year).

Note that when an entry in the WBES database is empty, this means that the question was not asked to the corresponding respondent. This happens when the question is deemed inapplicable, due to skip patterns or other reasons. In cases when the question was posed, some entry is provided, including don't know, which is an example of item non-response.

## Access policy

### CONTACTS

Name	Affiliation	Email
Enterprise Analysis Unit	World Bank Group	enterprisesurveys@worldbank.org

### CITATION REQUIREMENTS

The World Bank Group. Rwanda - World Bank Enterprise Survey (WBES) 2023, Ref. RWA\_2023\_WBES\_v01\_M. Dataset downloaded from <https://www.enterprisesurveys.org/en/data> on [date].

## Disclaimer and copyrights

### DISCLAIMER

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## Metadata production

### DDI DOCUMENT ID

DDI\_RWA\_2023\_WBES\_v01\_M\_WB

### PRODUCERS

Name	Abbreviation	Affiliation	Role
Development Data Group	DECDG	World Bank	Documentation of the study

### DATE OF METADATA PRODUCTION

2025-01-22

### DDI DOCUMENT VERSION

Version 01 (January 2025)

**data\_dictionary**

<b>Data file</b>	<b>Cases</b>	<b>variables</b>
<b>Rwanda-2023-full-data.dta</b> Rwanda 2023 World Bank Enterprise Survey full data	358	355



**Data file: Rwanda-2023-full-data.dta**

Rwanda 2023 World Bank Enterprise Survey full data

Cases: 358

variables: 355

**variables**

ID	Name	Label	Question
V2	idstd	WEB STD FIRMID	
V3	id	Firm ID	
V4	a4a	Industry Sampling Sector	
V5	a6a	Sampling Size	
V6	a2	Sampling Region	
V7	a1c	Sample Frame Level	
V8	competition_select	Random selection for market competition question	
V9	tax_select	Random selection for market tax compliance question	
V10	vat_applicable	VAT is applicable in economy	
V11	a4b_v4	Industry Screener Sector	
V12	a0	Questionnaire	
V13	a3a	Region of The Establishment	
V14	a6c	Screener Size	
V15	a7	Establishment part of a multi-establishment Firm?	
V16	panel	Panel Code	
V17	a1a	Language of The Interview	
V18	a14d	Day	
V19	a14m	Month	
V20	a14y	Year	
V21	a14h	Hour	
V22	a14min	Minutes	
V23	a20y	Close Year of The Last Completed Fiscal Year	
V24	a20m	Close Month of The Last Completed Fiscal Year	
V25	a20d	Close Day of The Last Completed Fiscal Year	
V26	a1	Country Code	
V27	a12	Interviewer Number	
V28	a7a	Number of Establishments In The Firm	
V29	a7b	Is This Establishment The Headquarters Location?	
V30	a11	If Hq, Financial Statements Independent of The Rest of Establishment	
V31	a7c	Does This Headquarters Location Engage In Production or Sales At This Location?	
V32	a9	Establishment'S Financial Statements Prepared Separately From Hq Statements	
V33	b1	Legal Status of The Firm	
V34	b1x	Other (Specify)	
V35	b3a	Is the largest owner also the top manager	
V36	b2a	% Owned By Private Domestic Individuals, Companies or organizations	
V37	b2b	% Owned By Private Foreign Individuals, Companies or organizations	
V38	b2c	% Owned By Government/State	



ID	Name	Label	Question
V39	b2d	% Owned By Other	
V40	b4	Amongst The Owners of The Firm, Are There Any Females?	
V41	b4a	% of The Firm Owned By Females	
V42	b5	Year Establishment Began Operations	
V43	b6	Number of Full-Time Employees of The Establishment When It Started Operations	
V44	b6b	In What Year Was This Establishment Formally Registered?	
V45	b7	How Many Years of Experience Working In This Sector Does The Top Manager Have?	
V46	b7a	Is The Top Manager Female?	
V47	b8	Does Establishment Have An Internationally-Recognized Quality Certification?	
V48	b8x	Specify The Internationally-Recognized Quality Certifications	
V49	c3	Application To Obtain An Electrical Connection Submitted Over The Last 2 Years	
V50	c4	How Many Days Did It Take For You To Receive An Electrical Connection Service?	
V51	c5	Informal Gift/Payment Expected or Requested For An Electrical Connection?	
V52	c31	Cost to obtain electrical connection	
V53	c32	Electricity consumption in a typical month (kWh)	
V54	c6	Over Last FY, Did This Establishment Experience Power Outages?	
V55	c7	Number of Power Outages Experienced In A Typical Month In Last Fiscal Year	
V56	c8a	Average Duration of Power Outages: Hours	
V57	c8b	Average Duration of Power Outages: Minutes	
V58	c9a	In Last FY, Losses As % of Annual Sales Due To Power Outages	
V59	c9b	In Last FY, Value of Losses Due To Power Outages	
V60	c10	Generator Shared or Owned Over The Course of Last Fiscal Year?	
V61	c11	% Electricity From Generator Owned/Shared By The Establishment In Last FY	
V62	c12	Application To Obtain A Water Connection Submitted Over The Last 2 Years	
V63	c13	How Many Days Did It Take For You To Obtain A Water Connection?	
V64	c14	When You Applied For A Water Connection, Was An Informal Gift/Payment Requested?	
V65	c33	Cost to obtain water connection	
V66	c34	Water consumption in a typical month	
V67	c34b	Unit measure of answer to c34	
V68	c34bx	Other (Specify)	
V69	c152	Did You Experience Insufficient Water Supply In Last FY?	
V70	c162	Frequency of Incidents of Water Shortages In A Typical Month In Last FY	
V71	c172	Average Length of Water Shortages In Last Fiscal Year	
V72	c35a	In Last FY, Losses As % of Annual Sales Due To Water Shortages	
V73	c35b	In Last FY, Value of Losses Due To Water Shortages	
V74	c22b	Establishment Has Its Own Website	
V75	c36	Application To Obtain Fixed Broadband Internet Connection Over The Last 2 Years	
V76	c37	How Many Days Did It Take For You To Obtain Internet Connection?	
V77	c38	Cost to obtain Internet connection	
V78	c39	Did You Experience Internet Disruptions In Last FY?	
V79	c40a	Average Length of Internet Disruptions: Hours	
V80	c40b	Average Length of Internet Disruptions: Minutes	
V81	c41a	In Last FY, Losses As % of Annual Sales Due To Internet Disruptions	
V82	c41b	In Last FY, Value of Losses Due To Internet Disruptions	

ID	Name	Label	Question
V83	c42	How difficult to switch internet providers?	
V84	c30a	How Much of An Obstacle: Electricity To Operations of This Establishment?	
V85	d1a1a	Establishment'S Main Product/Service Last FY	
V86	d1a6a	Total number of hotel rooms in the last FY	
V87	d1a6b	Total areas of rooms in the last FY	
V88	d1a6c	Specify units	
V89	d1a6cx	Other (Specify)	
V90	d1a3	Main Product/Service: Percent of Total Annual Sales	
V91	d2	In Last Fiscal Year, What Were This Establishment's Total Annual Sales?	
V92	d2x	Please Also Write Out The Number	
V93	d2a1	What were the establishment's sales 2 years ago?	
V94	d2a1x	Please Also Write Out The Number	
V95	n3	What were the establishment's sales 3 years ago?	
V96	n3x	Please Also Write Out The Number	
V97	d3a	% of Sales: National Sales	
V98	d3b	% of Sales: Indirect Exports	
V99	d3c	% of Sales: Direct Exports	
V100	d31x	Main destination of exports (country code)	
V101	d32	Main point of exit	
V102	d4a	In Last FY, Avg. Num. of Days For Exported Goods To Clear Customs?	
V103	d4b	If less than a day, total hours for exported goods to clear customs	
V104	d33a	In Last FY, Avg. Num. of Days For Exported Goods To Clear all border control age	
V105	d33b	If less than a day, total hours for exported goods to clear all border control a	
V106	d34	FCA costs to comply with all export requirements (% of value of goods exported)	
V107	d35	Any exports shipped by main parcel?	
V108	d36a	In Last FY, Avg. Num. of Days For Exported Goods To Clear all border control age	
V109	d36b	If less than a day, total hours for exported goods to clear all border control a	
V110	d37	Average cost of digital exports (% of value of goods)	
V111	d8	In What Year Did This Establishment First Export Directly or Indirectly?	
V112	d12a	% of Material Inputs And Supplies of Domestic origin In Last Fiscal Year	
V113	d12b	% of Material Inputs And Supplies of Foreign origin In Last Fiscal Year	
V114	d13	Were Any of These Material Inputs And Supplies Imported Directly?	
V115	d38x	Main origin of imports (country code)	
V116	d39	Main point of entry	
V117	d14a	Avg. Num. of Days For Imported Goods To Clear Customs In Last Fiscal Year	
V118	d14b	If less than a day, total hours for imported goods to clear customs	
V119	d40a	In Last FY, Avg. Num. of Days For Imported Goods To Clear all border control age	
V120	d40b	If less than a day, total hours for imported goods to clear all border control a	
V121	d41	DAP costs to comply with all import requirements (% of value of goods imported)	
V122	d30a	How Much of An Obstacle: Transport?	
V123	d30b	How Much of An Obstacle: Customs And Trade Regulations?	
V124	o1	In the last three years, establishment had any commercial dispute?	
V125	o2	Use of courts, arbitration etc. to (or attempt to ) resolve commercial dispute?	
V126	o3a	Reliable alternative to courts for resolving commercial disputes: Arbitration?	
V127	o3b	Reliable alternative to courts for resolving commercial disputes:Mediation etc.?	

ID	Name	Label	Question
V128	r1	What Happened When Problem In The Production Process/Services Provision Arose?	
V129	r2	Did This Establishment Monitor Any Production/Service Performance Indicators?	
V130	r3	How Many Production/Service Provision Performance Indicators Were Monitored?	
V131	r4	Did This Establishment Have Production/Service Provision Targets?	
V132	r5	What Best Describes The Time Frame of Production/Service Provision Targets?	
V133	r6	How Easy To Achieve Its Production/Service Provision Targets?	
V134	r7	Who Was Aware of The Production/Service Provision Targets At This Establishment?	
V135	r8	Was There Performance Bonuses Based On Production/Service Provision Targets?	
V136	r9	What Were Managers' Performance Bonuses Usually Based On?	
V137	r10	What Was The Primary Way Non-Managers Were Promoted?	
V138	r11	When Was An Under-Performing Non-Manager Reassigned or Dismissed?	
V139	e1	In Last FY, Main Market For Establishment'S Main Product	
V140	e2b	Competitors For The Main Product/Service In The Main Market	
V141	e31a	Market share of largest competitor in the last fiscal year	
V142	e31b	Market share of largest competitor in the last fiscal year	
V143	e6	Do You Use Technology Licensed From A Foreign-Owned Company?	
V144	e11	Does This Establishment Compete Against Unregistered or Informal Firms?	
V145	e32	Change in competition in the last year?	
V146	e33	Establishment can increase prices more than competitors without losing customers	
V147	e34	SOEs operating in the establishment's main market?	
V148	e35	How SOE affects ability to grow and expand?	
V149	e30	How Much of An Obstacle: Practices of Competitors In Informal Sector?	
V150	h1	New Products/Services Introduced Over Last 3 Yrs	
V151	h2	New Products/Services Also New For Thr Establishment'S Main Market	
V152	h3x	Describe In Detail The Main New or Significantly Improved Product or Service	
V153	h4x	Describe How The Main New/Significantly Improved Product or Service Is Different	
V154	h5	During Last 3 Yrs, Establishment Introduced New/Significantly Improved Process	
V155	h6x	Describe Main New/Significantly Improved Process This Establishment Introduced	
V156	h7x	How The Main New/Significantly Improved Process Is Different	
V157	h8	During Last Fiscal Year, Establishment Spent On R&D (Excl Market Research)?	
V158	h9	How Much Spent On R&D, Either In-House or External?	
V159	f1	In Last FY, What Was The Capacity Utilization (%) of This Establishment?	
V160	g2	Applic. To Obtain A Construction-Related Permit Submitted Over The Last 2 Years	
V161	g3	How Many Days Did It Take For You To Obtain A Construction-Related Permit?	
V162	g4	Informal Gift/Payment Expected or Requested For A Construction-Related Permit	
V163	g31	In last 2 years, establishment applied for occupancy permit	
V164	g32	Wait for occupancy permit	
V165	g33	Cost of occupancy permit	
V166	g5a	What Is The Total Selling Area In This Establishment?	
V167	g5b	The Area Is Measured In:	
V168	g5bx	Specify Other Units (If Not Included Above) The Area Is Measured In	
V169	g30a	How Much of An Obstacle: Access To Land?	
V170	ge3	Experience damage of physical assets due to extreme weather events?	

ID	Name	Label	Question
V171	ge3a	Monetary damage of physical assets?	
V172	ge7	Over the last 3 years, establishment monitor its CO2 emissions?	
V173	ge8d	Over last 3 years, establishment adopt energy management measures?	
V174	k3a	% of Working Capital Financed From Internal Funds/Retained Earnings	
V175	k3bc	% of Working Capital Borrowed From Banks	
V176	k3e	% of Working Capital Borrowed From Non-Bank Financial Institutions	
V177	k3f	% of Working Capital Purchased On Credit/Advances From Suppliers /Customers	
V178	k3hd	% of Working Capital Financed By Other (Money Lenders, Friends, Relatives, Etc)	
V179	k4	Did This Establishment Purchase Any Fixed Assets In Last FY?	
V180	n5a	Total Annual Expenditure For Purchases of Equipment In Last FY	
V181	n5b	Total Annual Expenditure For Purchases of Land And Buildings In Last FY	
V182	k5a	Last FY, % Fixed Assets Funded By: Internal Funds/Retained Earnings	
V183	k5a1	Fixed Assets - Value Internal Funds or Retained Earnings	
V184	k5i	Last FY, % Fixed Assets Funded By: Owners' Contributions or Issued New Equity	
V185	k5i1	Fixed Assets - Value Owners' Contribution or Issued New Equity Shares	
V186	k5bc	Last FY, % Fixed Assets Funded By: Bank Borrowing	
V187	k5bc1	Fixed Assets - Value Borrowed From Banks	
V188	k5e	Last FY, % Fixed Assets Funded By: Non-Bank Financial Institutions	
V189	k5e1	Fixed Assets - Value Borrowed From Non-Bank Financial Institutions	
V190	k5f	Last FY, % Fixed Assets Funded By: Credit From Suppliers/Advances From Customers	
V191	k5f1	Fixed Assets - Value Purchases On Credit From Suppliers, Advances From Customers	
V192	k5hdj	Last FY, % Fixed Assets Funded By: Other (Money Lenders\Friends\Relatives\Etc)	
V193	k5hdj1	Fixed Assets - Value Other	
V194	k4b	Purchase Any New/Used Fixed Assets?	
V195	n5c	Total Annual Expenditure For Purchases of Equipment In Year Prior To Last FY	
V196	n5d	Total Annual Expenditure On Land And Buildings In Year Prior To Last FY	
V197	k6	Does This Establishment Have A Checking And/or Saving Account?	
V198	k7	At This Time, Does This Establishment Have An Overdraft Facility?	
V199	k82	Establishment Has A Line of Credit or Loan From A Financial Institution?	
V200	k9	Type of Financial Institution That Granted The Line of Credit or Loan	
V201	k10	Year When The Most Recent Loan/Line of Credit Approved	
V202	k11	For The Most Recent Loan, What Was The Value At The Time of Approval?	
V203	k13	Financing Required For The Most Recent Line of Credit or Loan	
V204	k14a	Type of Collateral Required For The Most Recent Loan? Land, Buildings	
V205	k14b	Type of Collateral Required For The Most Recent Loan? Equipment	
V206	k14c	Type of Collateral Required For The Most Recent Loan? Accounts	
V207	k14d	Type of Collateral Required For The Most Recent Loan? Personal Assets	
V208	k14e	Type of Collateral Required For The Most Recent Loan? Other	
V209	k15a	Value of Collateral Required For The Most Recent Credit/Loan	
V210	k15b	Total Number of Open Lines of Credit and Outstanding Loans	
V211	k15c	Total Outstanding Balance of All Open Lines of Credit and Loans (LCU)	
V212	k15d	Outstanding Personal Loans Used To Finance Establishment'S Business Activities?	
V213	k162	In Last FY, Did Establishment Apply For New Loans/Lines of Credit?	

ID	Name	Label	Question
V214	k17	Main Reason For Not Applying For New Loans or New Lines of Credit	
V215	k20a1	What Was The Outcome of That Most Recent Application For Loan/Line of Credit?	
V216	k31	Total cost to apply for most recent loan	
V217	k32	Days to receive a decision about most recent loan application	
V218	k21	Financial Statements Checked & Certified By External Auditor In Last FY?	
V219	k33	Percentage of payments received using e-payments	
V220	k34	Main type of e-payment accepted	
V221	k35	Avg. days to receive main type of e-payment	
V222	k36	Cost per transaction (% of transaction) to receive main type of e-payment	
V223	k37	Monthly fees and subscription costs to receive main type of e-payment	
V224	k38	Percentage of payments made using e-payments	
V225	k39	Main type of e-payment used to make payments	
V226	k40	Cost per transaction (% of transaction) to make main type of e-payment	
V227	k30	How Much of An Obstacle: Access To Finance	
V228	j31	In resolving commercial disputes, courts are independent and impartial	
V229	j2	What % of Senior Management Time Was Spent In Dealing With Govt Regulations?	
V230	j3	Over The Last 12 Months, Was This Establishment Inspected By Tax officials?	
V231	j4	Frequency of Inspections/Requirement For Meeting By Tax officials	
V232	j5	In Any of These Inspections Was A Gift/Informal Payment Requested ?	
V233	j32	Did any of these visits or meetings consist of a tax audit?	
V234	j33	Weeks until final audit report was received	
V235	j34	Establishment outsourced some tax-related activities in the last FY	
V236	j35a	Total annual time spent on tax compliance (hours)	
V237	j35b	Average monthly time spent on tax compliance (hours)	
V238	j36	In last FY, did establishment file taxes electronically	
V239	j37	In last FY, did establishment pay taxes electronically	
V240	j38	In the last 3 yrs., establishment has applied for a VAT refund	
V241	j39	Weeks to receive VAT refund	
V242	j40	Main reason for not applying for a VAT tax refund	
V243	j6a	Government Contract Secured (or Attempted) In The Last 12 Months?	
V244	j41	Degree of difficulty to comply with govt contract tender requirements	
V245	j42	Establishment has held a govt contract in last 3 yrs?	
V246	j43	Typical number of days to receive payment under govt contract	
V247	j7a	Percent of Total Annual Sales Paid In Informal Payments	
V248	j7b	Total Annual Informal Payment	
V249	j10	Application To Obtain An Import License Submitted Over The Last 2 Years?	
V250	j11	How Many Days Did It Take To Obtain Your Import License?	
V251	j12	When You Applied For An Import License, Was An Informal Gift/Payment Requested?	
V252	j13	Application To Obtain An Operating License Submitted Over Last 2 Years?	
V253	j14	How Many Days Did It Take To Obtain Your Operating License?	
V254	j15	When You Applied For Operating License Was An Informal Gift/Payment Requested?	
V255	j30a	How Much of An Obstacle: Tax Rates	
V256	j30b	How Much of An Obstacle: Tax Administrations	

ID	Name	Label	Question
V257	j30c	How Much of An Obstacle: Business Licensing And Permits	
V258	j30e	How Much of An Obstacle: Political Instability	
V259	j30f	How Much of An Obstacle: Corruption	
V260	h30	How Much of An Obstacle: Courts	
V261	i30	How Much of An Obstacle: Crime, Theft And Disorder?	
V262	j30_taxrate_pos	J30: rotation position 1	
V263	j30_taxadmin_pos	J30: rotation position 2	
V264	j30_permit_pos	J30: rotation position 3	
V265	j30_instability_pos	J30: rotation position 4	
V266	j30_corruption_pos	J30: rotation position 5	
V267	j30_courts_pos	J30: rotation position 6	
V268	j30_crime_pos	J30: rotation position 7	
V269	l1	Num. Permanent, Full-Time Employees At End of Last Fiscal Year	
V270	l2	Num. Permanent, Full-Time Employees At End of 3 Fiscal Years Ago	
V271	l3a	Num. Full-Time Employees At End of Last FY: Production Workers	
V272	l3b	Num. Full-Time Employees At End of Last FY: Non-Production Workers	
V273	l4a1	Num. of Permanent, Full-Time Skilled Production Workers, Last FY	
V274	l4a2	Num. of Permanent, Full-Time Semi-skilled Production Workers, Last FY	
V275	l4b	Num. of Permanent, Full-Time Low-skilled Production Workers, Last FY	
V276	l5a	Num. Full-Time Employees At End of Last FY: Female Production Workers	
V277	l5b	Num. Full-Time Employees At End of Last FY: Female Non-Production Workers	
V278	l5	Num. Full-Time Employees At End of Last FY: Female	
V279	l9b	% of Full Time Workers Completed High School End of Last FY	
V280	l9b1	Number of Full Time Workers Completed High School	
V281	l10	Formal Training Programs For Permanent, Full-Time Employees In Last FY	
V282	l11a	% Permanent Full-Time Production Employees Received Formal Training In Last FY	
V283	l11a1	Training Programs Amount: Production Full-Time Permanent Employees Trained	
V284	l11b	% Permanent Fulltime Nonproduction Employees Received Formal Training In Last FY	
V285	l11b1	Training Programs Amount:Non-Production Full-Time Permanent Employees Trained	
V286	l12a	% Permanent Full-Time Female Employees Received Formal Training In Last FY	
V287	l12a1	Training Programs Amount: Full-Time Permanent Female Employees Trained	
V288	l31	In the last FY, number of workers establishment needed to hire	
V289	l32	In the last FY, number of workers establishment hired	
V290	l33	Main reason establishment did not hire more workers in the last FY	
V291	l34	In the last 3 yrs., establishment has dismissed any permanent, full-time workers	
V292	l35	Typical number of weeks to dismiss full-time permanent worker	
V293	l36	Typical number of weeks paid in severance	
V294	l1a	Num. Part-time Employees At End of Last Fiscal Year	
V295	l6	Num. Full-Time Temporary Employees At End of Last FY	
V296	l6a	Female Temporary, Full-Time Workers Employed Throughout Last FY	
V297	l8	Avg. Length of Employment of All Full-Time Temporary Employees In Last FY	
V298	l37	In the last 3 yrs., establishment has been involved in any labor dispute	
V299	l38	Typical number of weeks to resolve labor dispute	

ID	Name	Label	Question
V300	l39	Cost to resolve labor dispute	
V301	l40	In last FY, was establishment visited by health and safety inspectors	
V302	l41	Was a report issued for health and safety inspection	
V303	l30a	How Much of An Obstacle: Labor Regulations?	
V304	l30b	How Much of An Obstacle: Inadequately Educated Workforce?	
V305	m1a	Biggest Obstacle Affecting The Operation of This Establishment	
V306	m1a_finance_pos	m1a: Position of Access to Finance	
V307	m1a_land_pos	m1a: Position of Access to land	
V308	m1a_permit_pos	m1a: Position of Business licensing and permits	
V309	m1a_corruption_pos	m1a: Position of corruption	
V310	m1a_courts_pos	m1a: Position of Courts	
V311	m1a_crime_pos	m1a: Position of Crime, theft and disorder	
V312	m1a_trade_pos	m1a: Position of Customs and trade regulations	
V313	m1a_electricity_pos	m1a: Position of Electricity	
V314	m1a_workforce_pos	m1a: Position of Inadequately educated workforce	
V315	m1a_labor_pos	m1a: Position of Labor regulations	
V316	m1a_instability_pos	m1a: Position of Political instability	
V317	m1a_informal_pos	m1a: Position of Practices of competitors in the informal sector	
V318	m1a_taxadmin_pos	m1a: Position of Tax administration	
V319	m1a_taxrate_pos	m1a: Position of Tax rates	
V320	m1a_transport_pos	m1a: Position of Transport	
V321	n2a	Total Labor Cost (Incl. Wages, Salaries, Bonuses, Etc) In Last Fiscal Year	
V322	n2a2	Social security payments and employment-based taxes	
V323	n2b	Total Annual Costs of Electricity In Last Fiscal Year	
V324	n2k	Total Annual Cost of Water	
V325	n2l	Total Annual Cost of high-speed, fixed broadband internet	
V326	n2e	Cost of Raw Materials And Intermediate Goods Used In Prod. In Last Fiscal Year	
V327	n2i	Total Annual Cost of Finished Goods/Materials Bought To Resell In Last FY	
V328	n2a1	Total Labor Cost (Incl. Wages, Salaries, Bonuses, Etc) 2 fiscal years ago	
V329	n2e1	Total Cost of Raw Materials And Intermediate Goods Used In Production	
V330	n7a	Cost For Establishment To Re-Purchase All of Its Machinery	
V331	n11	Effective income-based tax rate	
V332	n12	Effective consumption tax rate	
V333	a15d	Day	
V334	a15m	Month	
V335	a15y	Year	
V336	a15h	Hour	
V337	a15min	Minutes	
V338	a16	Perception of The Questions Regarding Opinions And Perceptions	
V339	a17	Responses To The Questions About Figures Areâ€¦	
V340	a18	This Questionnaire Was Completed In:	
V341	a19h	If Option 2 or 3 In A.18, Estimate Duration of The Whole Interview: Hours	
V342	a19m	If Option 2 or 3 In A.18, Estimate Duration of The Whole Interview: Minutes	
V343	a13	Supervisor Number	
V344	a3b	official Capital City?	

ID	Name	Label	Question
V345	a3c	Main Business City?	
V346	a3	Size of Locality	
V347	d1a2_v4	Main Product/Service ISIC (Rev. 4) Code	
V348	stratificationregioncode	stratification region code	
V349	stratificationsizecode	stratification size code	
V350	stratificationsectorcode	stratification sector code	
V351	stratificationpanelcode	panel code	
V352	wstrict	Weight according to strict eligibility	
V353	wmedian	Weight according to median eligibility	
V354	wweak	Weight according to weak eligibility	
V355	strata	see notes	
V356	b1_RWA		

total: 355





## VAT\_APPLICABLE: VAT is applicable in economy

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 1  
Type: Discrete Decimal: 0 Width: 1 Range: 1 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	358	100%
2	No	0	0%

## A4B\_V4: Industry Screener Sector

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 10 Maximum: 71  
Type: Discrete Decimal: 0 Width: 2 Range: 10 - 71 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
10	Food	46	12.8%
11	Beverages	22	6.1%
12	Tobacco products	0	0%
13	Textiles	1	0.3%
14	Wearing apparel	21	5.9%
15	Leather and related products	4	1.1%
16	Wood and products of wood and cork	7	2%
17	Paper and paper products	0	0%
18	Printing and reproduction of recorded media	3	0.8%
19	Coke and refined petroleum products	0	0%
20	Chemical and chemical products	1	0.3%
21	Pharmaceutical products	1	0.3%
22	Rubber and plastic products	2	0.6%
23	Non-metallic mineral products	15	4.2%
24	Basic metals	1	0.3%
25	Fabricated metal products	0	0%

26	Computer, electronic, and optical products	0	0%
27	Electrical equipment	0	0%
28	Machinery and equipment	0	0%
29	Motor vehicles	2	0.6%
30	Other transport equipment	0	0%
31	Furniture	5	1.4%
32	Other manufacturing	1	0.3%
33	Repair and installation of machinery and equipment	0	0%
41	Construction of buildings	3	0.8%
42	Civil engineering	0	0%
43	Specialized construction activities	0	0%
45	Services of motor vehicles	11	3.1%
46	Wholesale	24	6.7%
47	Retail	75	20.9%
49	Land transport and transport via pipelines	7	2%
51	Air transport	0	0%
52	Warehousing and support activities for transportation	0	0%
53	Postal and courier activities	0	0%
55	Accommodation	52	14.5%
56	Food and beverage	50	14%
58	Publishing activities	0	0%
61	Telecommunications	0	0%
62	Computer programming	0	0%
69	Legal and accounting activities	3	0.8%
70	Activities of head offices; management consultancy activities	0	0%
71	Architectural and engineering activities; technical testing and analysis	1	0.3%
72	Scientific research and development	0	0%
73	Advertising and market research	0	0%
74	Other professional, scientific and technical activities	0	0%
75	Veterinary activities	0	0%
79	Travel agency, tour operator	0	0%
95	Repair of computers and household goods	0	0%

## IDSTD: WEB STD FIRMID

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358    Invalid:    Minimum: 1188547    Maximum: 1188904  
 Type: Continuous    Decimal: 0    Width: 7    Range: 1188547 - 1188904    Format: Numeric

**ID: Firm ID****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358   Invalid:   Minimum: 29   Maximum: 5919  
 Type: Continuous   Decimal: 0   Width: 4   Range: 29 - 5919   Format: Numeric

**A4A: Industry Sampling Sector****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358   Invalid:   Minimum: 1   Maximum: 3  
 Type: Discrete   Decimal: 0   Width: 1   Range: 1 - 3   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Manufacturing	120	33.5%
2	Retail	100	27.9%
3	Other Services	138	38.5%

**A6A: Sampling Size****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358   Invalid:   Minimum: 1   Maximum: 3  
 Type: Discrete   Decimal: 0   Width: 1   Range: 1 - 3   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Small	171	47.8%
2	Medium	130	36.3%
3	Large	57	15.9%

**A2: Sampling Region****Data file: Rwanda-2023-full-data.dta**

## Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Kigali	124	34.6%
2	Western and Northern	116	32.4%
3	Southern and Eastern	118	33%

## A1C: Sample Frame Level

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Establishment	358	100%
2	Firm	0	0%

## COMPETITION\_SELECT: Random selection for market competition question

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		187	52.2%
1		171	47.8%

**TAX\_SELECT: Random selection for market tax compliance question****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 1    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		175	48.9%
1		183	51.1%

**A0: Questionnaire****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 1    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Manufacturing	132	36.9%
2	Retail services	75	20.9%
3	Other services	151	42.2%

**A3A: Region of The Establishment****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 1    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	130	36.3%
2	Western and Northern	111	31%

3	Southern and Eastern	117	32.7%
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## A6C: Screener Size

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 2 Maximum: 5125  
 Type: Continuous Decimal: 0 Width: 4 Range: 2 - 5125 Format: Numeric

## A7: Establishment part of a multi-establishment Firm?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	51	14.2%
2	No	307	85.8%

## PANEL: Panel Code

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		243	67.9%
1		115	32.1%

## A1A: Language of The Interview

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358    Invalid:    Minimum: 1    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Kinyarwanda	358	100%

## A14D: Day

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358    Invalid:    Minimum: 1    Maximum: 31  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 31    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		7	2%
2		3	0.8%
3		3	0.8%
4		10	2.8%
5		18	5%
6		22	6.1%
7		18	5%
8		8	2.2%
9		11	3.1%
10		8	2.2%
11		11	3.1%
12		16	4.5%
13		13	3.6%
14		10	2.8%
15		7	2%
16		12	3.4%
17		15	4.2%
18		15	4.2%
19		16	4.5%



20		16	4.5%
21		11	3.1%
22		18	5%
23		9	2.5%
24		10	2.8%
25		8	2.2%
26		5	1.4%
27		7	2%
28		5	1.4%
29		12	3.4%
30		17	4.7%
31		17	4.7%

## A14M: Month

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358    Invalid:    Minimum: 1    Maximum: 9  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 9    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		42	11.7%
2		25	7%
5		19	5.3%
6		104	29.1%
7		41	11.5%
8		70	19.6%
9		57	15.9%

## A14Y: Year

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358    Invalid:    Minimum: 2023    Maximum: 2024  
 Type: Discrete    Decimal: 0    Width: 4    Range: 2023 - 2024    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
2023		291	81.3%
2024		67	18.7%

### A14H: Hour

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 7 Maximum: 18  
 Type: Discrete Decimal: 0 Width: 2 Range: 7 - 18 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
7		3	0.8%
8		14	3.9%
9		23	6.4%
10		45	12.6%
11		58	16.2%
12		42	11.7%
13		33	9.2%
14		65	18.2%
15		36	10.1%
16		22	6.1%
17		12	3.4%
18		5	1.4%

### A14MIN: Minutes

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 59  
 Type: Continuous Decimal: 0 Width: 2 Range: 0 - 59 Format: Numeric

**A20Y: Close Year of The Last Completed Fiscal Year****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 2022    Maximum: 2023  
 Type: Discrete    Decimal: 0    Width: 4    Range: 2022 - 2023    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
2022		291	81.3%
2023		67	18.7%

**A20M: Close Month of The Last Completed Fiscal Year****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 12    Maximum: 12  
 Type: Discrete    Decimal: 0    Width: 2    Range: 12 - 12    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
12		358	100%

**A20D: Close Day of The Last Completed Fiscal Year****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 31    Maximum: 31  
 Type: Discrete    Decimal: 0    Width: 2    Range: 31 - 31    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
31		358	100%

**A1: Country Code****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 33    Maximum: 33  
 Type: Discrete    Decimal: 0    Width: 2    Range: 33 - 33    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
33		358	100%

**A12: Interviewer Number****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:  
 Type: Discrete    Width: 8    Range: -    Format: character

**A7A: Number of Establishments In The Firm****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 51    Invalid: 307    Minimum: 2    Maximum: 368  
 Type: Discrete    Decimal: 0    Width: 3    Range: 2 - 368    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
2		23	45.1%
3		13	25.5%
4		2	3.9%
6		2	3.9%
7		2	3.9%
8		2	3.9%
9		1	2%
11		1	2%
15		1	2%

18		1	2%
27		1	2%
40		1	2%
368		1	2%
Sysmiss		307	

## A7B: Is This Establishment The Headquarters Location?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 51   Invalid: 307   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 1   Range: 1 - 2   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	45	88.2%
2	No	6	11.8%
Sysmiss		307	

## A11: If Hq, Financial Statements Independent of The Rest of Establishment

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 45   Invalid: 313   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 1   Range: 1 - 2   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	18	40%
2	No	27	60%
Sysmiss		313	

## A7C: Does This Headquarters Location Engage In Production or Sales At This Location?

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 45   Invalid: 313   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 1   Range: 1 - 2   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	44	97.8%
2	No	1	2.2%
Sysmiss		313	

## A9: Establishment'S Financial Statements Prepared Separately From Hq Statements

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 6   Invalid: 352   Minimum: 1   Maximum: 1  
 Type: Discrete   Decimal: 0   Width: 1   Range: 1 - 1   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	6	100%
2	No	0	0%
Sysmiss		352	

## B1: Legal Status of The Firm

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358   Invalid:   Minimum: -9   Maximum: 5  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 5   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
1	Shareholding company with shares traded on the stock market	2	0.6%
2	Shareholding company with non-traded shares or shares traded privately	45	12.6%

3	Sole proprietorship	230	64.2%
4	Partnership	62	17.3%
5	Limited partnership	18	5%
6	Other	0	0%

### B1X: Other (Specify)

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid:  
Type: Discrete Width: 1 Range: - Format: character

### B3A: Is the largest owner also the top manager

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	294	82.1%
2	No	64	17.9%

### B2A: % Owned By Private Domestic Individuals, Companies or organizations

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 100  
Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		17	4.7%

5		1	0.3%
15		1	0.3%
25		1	0.3%
35		1	0.3%
40		3	0.8%
45		1	0.3%
49		1	0.3%
50		2	0.6%
70		1	0.3%
72		1	0.3%
75		1	0.3%
80		1	0.3%
85		1	0.3%
90		1	0.3%
95		1	0.3%
98		1	0.3%
100		322	89.9%

## B2B: % Owned By Private Foreign Individuals, Companies or organizations

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 100

Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		326	91.1%
2		1	0.3%
5		1	0.3%
10		2	0.6%
20		1	0.3%
25		1	0.3%
50		3	0.8%
51		1	0.3%
55		1	0.3%



60		1	0.3%
65		1	0.3%
75		1	0.3%
85		1	0.3%
95		1	0.3%
100		16	4.5%

## B2C: % Owned By Government/State

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 60  
Type: Discrete Decimal: 0 Width: 2 Range: 0 - 60 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		353	98.6%
5		1	0.3%
10		1	0.3%
28		1	0.3%
30		1	0.3%
60		1	0.3%

## B2D: % Owned By Other

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 100  
Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		357	99.7%
100		1	0.3%

**B4: Amongst The Owners of The Firm, Are There Any Females?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: -9    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	0.6%
1	Yes	139	38.8%
2	No	217	60.6%

**B4A: % of The Firm Owned By Females****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 139    Invalid: 219    Minimum: 1    Maximum: 100  
 Type: Discrete    Decimal: 0    Width: 3    Range: 1 - 100    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1		2	1.4%
2		1	0.7%
3		1	0.7%
5		1	0.7%
7		1	0.7%
10		4	2.9%
12		2	1.4%
15		1	0.7%
20		5	3.6%
25		2	1.4%
30		2	1.4%
35		2	1.4%

37		1	0.7%
40		2	1.4%
45		2	1.4%
49		1	0.7%
50		22	15.8%
55		1	0.7%
60		2	1.4%
66		1	0.7%
67		1	0.7%
70		1	0.7%
75		2	1.4%
77		1	0.7%
80		1	0.7%
81		1	0.7%
85		1	0.7%
90		3	2.2%
95		1	0.7%
100		71	51.1%
Sysmiss		219	

## B5: Year Establishment Began Operations

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358    Invalid:    Minimum: -9    Maximum: 2022  
 Type: Discrete    Decimal: 0    Width: 4    Range: -9 - 2022    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
1937		1	0.3%
1954		1	0.3%
1957		1	0.3%
1958		1	0.3%
1972		1	0.3%
1973		3	0.8%
1975		1	0.3%

1976		2	0.6%
1978		1	0.3%
1979		2	0.6%
1982		2	0.6%
1983		2	0.6%
1984		1	0.3%
1986		1	0.3%
1988		1	0.3%
1993		1	0.3%
1996		2	0.6%
1997		1	0.3%
1998		7	2%
1999		1	0.3%
2000		4	1.1%
2002		3	0.8%
2003		5	1.4%
2004		2	0.6%
2005		6	1.7%
2006		11	3.1%
2007		8	2.2%
2008		16	4.5%
2009		6	1.7%
2010		16	4.5%
2011		15	4.2%
2012		15	4.2%
2013		18	5%
2014		21	5.9%
2015		32	8.9%
2016		26	7.3%
2017		28	7.8%
2018		25	7%
2019		18	5%
2020		13	3.6%
2021		14	3.9%
2022		22	6.1%

## B6: Number of Full-Time Employees of The Establishment When It Started Operations

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 560

Type: Discrete Decimal: 0 Width: 3 Range: -9 - 560 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	6	1.7%
1		11	3.1%
2		37	10.3%
3		35	9.8%
4		31	8.7%
5		38	10.6%
6		26	7.3%
7		10	2.8%
8		11	3.1%
9		2	0.6%
10		22	6.1%
11		6	1.7%
12		8	2.2%
13		2	0.6%
14		5	1.4%
15		13	3.6%
16		7	2%
17		3	0.8%
18		5	1.4%
20		9	2.5%
21		2	0.6%
24		2	0.6%
25		6	1.7%
26		1	0.3%
29		1	0.3%
30		8	2.2%
31		1	0.3%
32		1	0.3%
35		2	0.6%
37		2	0.6%
40		7	2%
42		1	0.3%

45		2	0.6%
48		2	0.6%
50		6	1.7%
56		1	0.3%
57		1	0.3%
58		2	0.6%
60		1	0.3%
78		1	0.3%
80		2	0.6%
95		2	0.6%
100		1	0.3%
102		1	0.3%
110		1	0.3%
120		1	0.3%
150		2	0.6%
156		1	0.3%
160		1	0.3%
205		1	0.3%
250		1	0.3%
300		1	0.3%
350		1	0.3%
360		1	0.3%
456		1	0.3%
480		1	0.3%
486		1	0.3%
560		1	0.3%

## B6B: In What Year Was This Establishment Formally Registered?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358    Invalid:    Minimum: -9    Maximum: 2022  
 Type: Discrete    Decimal: 0    Width: 4    Range: -9 - 2022    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	0.6%

-7	Never registered (spontaneous)	0	0%
1957		1	0.3%
1972		1	0.3%
1973		1	0.3%
1975		1	0.3%
1976		1	0.3%
1978		1	0.3%
1979		2	0.6%
1982		2	0.6%
1984		1	0.3%
1985		1	0.3%
1986		1	0.3%
1987		1	0.3%
1990		1	0.3%
1996		1	0.3%
1997		1	0.3%
1998		5	1.4%
1999		1	0.3%
2000		3	0.8%
2001		1	0.3%
2002		3	0.8%
2003		3	0.8%
2004		3	0.8%
2005		5	1.4%
2006		6	1.7%
2007		8	2.2%
2008		10	2.8%
2009		8	2.2%
2010		18	5%
2011		17	4.7%
2012		18	5%
2013		14	3.9%
2014		28	7.8%
2015		39	10.9%
2016		28	7.8%
2017		31	8.7%
2018		39	10.9%
2019		19	5.3%
2020		19	5.3%

2021		8	2.2%
2022		5	1.4%

## B7: How Many Years of Experience Working In This Sector Does The Top Manager Have?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 45  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 45 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	One year or less	2	0.6%
2		3	0.8%
3		3	0.8%
4		9	2.5%
5		19	5.3%
6		16	4.5%
7		19	5.3%
8		22	6.1%
9		14	3.9%
10		40	11.2%
11		12	3.4%
12		13	3.6%
13		14	3.9%
14		5	1.4%
15		37	10.3%
16		7	2%
17		7	2%
18		16	4.5%
19		2	0.6%
20		31	8.7%
21		4	1.1%
22		1	0.3%
23		11	3.1%
24		2	0.6%



25		13	3.6%
26		1	0.3%
27		1	0.3%
28		1	0.3%
29		2	0.6%
30		14	3.9%
31		1	0.3%
33		1	0.3%
35		7	2%
36		1	0.3%
37		2	0.6%
38		1	0.3%
40		1	0.3%
43		1	0.3%
45		2	0.6%

## B7A: Is The Top Manager Female?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	92	25.7%
2	No	266	74.3%

## B8: Does Establishment Have An Internationally-Recognized Quality Certification?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -6 Maximum: 2

Type: Discrete Decimal: 0 Width: 2 Range: -6 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-6	Still in process	6	1.7%
1	Yes	55	15.4%
2	No	297	83%

### B8X: Specify The Internationally-Recognized Quality Certifications

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid:  
Type: Discrete Width: 209 Range: - Format: character

### C3: Application To Obtain An Electrical Connection Submitted Over The Last 2 Years

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
1	Yes	50	14%
2	No	307	85.8%

### C4: How Many Days Did It Take For You To Receive An Electrical Connection Service?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 50 Invalid: 308 Minimum: -6 Maximum: 356  
Type: Discrete Decimal: 0 Width: 3 Range: -6 - 356 Format: Numeric

## Questions and instructions

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-6	Still in process	5	10%
-5	Application denied	0	0%
1	One day or less	1	2%
3		1	2%
4		1	2%
5		3	6%
6		1	2%
7		10	20%
10		2	4%
14		2	4%
15		4	8%
17		2	4%
20		1	2%
21		1	2%
25		3	6%
30		4	8%
35		1	2%
40		1	2%
60		2	4%
90		2	4%
95		1	2%
120		1	2%
356		1	2%
Sysmiss		308	

**C5: Informal Gift/Payment Expected or Requested For An Electrical Connection?**

Data file: Rwanda-2023-full-data.dta

**Overview**

Valid: 50   Invalid: 308   Minimum: -9   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 2   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	4%

-8	Refusal (spontaneous)	1	2%
1	Yes	6	12%
2	No	41	82%
Sysmiss		308	

### C31: Cost to obtain electrical connection

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 50   Invalid: 308   Minimum: 2   Maximum: 40000000  
 Type: Discrete   Decimal: 0   Width: 8   Range: 2 - 40000000   Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
2		1	2%
5000		1	2%
13000		1	2%
15000		1	2%
21000		1	2%
56000		4	8%
59000		1	2%
80000		1	2%
100000		6	12%
120000		1	2%
175000		1	2%
180000		1	2%
200000		3	6%
203000		1	2%
205000		1	2%
210000		1	2%
250000		1	2%
300000		1	2%
320500		1	2%
350000		4	8%
360000		1	2%
450000		2	4%

493000		1	2%
500000		1	2%
530000		1	2%
600000		1	2%
700000		1	2%
812812		1	2%
980000		1	2%
1000000		2	4%
1000045		1	2%
5000000		1	2%
7500000		1	2%
14600000		1	2%
40000000		1	2%
Sysmiss		308	

### C32: Electricity consumption in a typical month (kWh)

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 1300000  
 Type: Discrete Decimal: 0 Width: 7 Range: -9 - 1300000 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	12	100%

### C6: Over Last FY, Did This Establishment Experience Power Outages?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	3	0.8%

1	Yes	224	62.6%
2	No	131	36.6%

## C7: Number of Power Outages Experienced In A Typical Month In Last Fiscal Year

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 224    Invalid: 134    Minimum: 0    Maximum: 90  
 Type: Discrete    Decimal: 0    Width: 2    Range: 0 - 90    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		6	2.7%
1		30	13.4%
2		44	19.6%
3		42	18.8%
4		38	17%
5		20	8.9%
6		21	9.4%
7		4	1.8%
8		4	1.8%
10		7	3.1%
12		1	0.4%
15		1	0.4%
20		2	0.9%
25		1	0.4%
30		1	0.4%
40		1	0.4%
90		1	0.4%
Sysmiss		134	

## C8A: Average Duration of Power Outages: Hours

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 218    Invalid: 140    Minimum: 0    Maximum: 168  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 168    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		119	54.6%
1		17	7.8%
2		41	18.8%
3		21	9.6%
4		6	2.8%
5		2	0.9%
6		4	1.8%
7		1	0.5%
8		1	0.5%
9		1	0.5%
10		1	0.5%
12		2	0.9%
24		1	0.5%
168		1	0.5%
Sysmiss		140	

### C8B: Average Duration of Power Outages: Minutes

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 218    Invalid: 140    Minimum: 0    Maximum: 50  
 Type: Discrete    Decimal: 0    Width: 2    Range: 0 - 50    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		49	22.5%
1	One minute or less	9	4.1%
2		1	0.5%
3		2	0.9%
5		12	5.5%
6		1	0.5%

8		2	0.9%
10		16	7.3%
12		1	0.5%
15		14	6.4%
20		20	9.2%
25		9	4.1%
30		42	19.3%
35		1	0.5%
40		11	5%
44		1	0.5%
45		17	7.8%
50		10	4.6%
Sysmiss		140	

## C9A: In Last FY, Losses As % of Annual Sales Due To Power Outages

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 159    Invalid: 199    Minimum: -9    Maximum: 30  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 30    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.6%
0	None	64	40.3%
1		22	13.8%
2		20	12.6%
3		8	5%
5		14	8.8%
7		1	0.6%
8		2	1.3%
10		13	8.2%
11		1	0.6%
15		4	2.5%
20		8	5%
30		1	0.6%
Sysmiss		199	



**C9B: In Last FY, Value of Losses Due To Power Outages****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 65    Invalid: 293    Minimum: 0    Maximum: 24000000  
 Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 24000000    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	None	1	1.5%
10000		1	1.5%
18000		1	1.5%
30000		2	3.1%
50000		4	6.2%
60000		2	3.1%
70000		1	1.5%
75000		2	3.1%
80000		1	1.5%
100000		2	3.1%
120000		2	3.1%
200000		3	4.6%
250000		3	4.6%
280000		1	1.5%
300000		1	1.5%
350000		1	1.5%
360000		1	1.5%
400000		2	3.1%
450000		1	1.5%
480000		1	1.5%
500000		5	7.7%
600000		1	1.5%
700000		1	1.5%
950000		2	3.1%
960000		1	1.5%
1000000		3	4.6%
1200000		1	1.5%

1250000		1	1.5%
1500000		4	6.2%
1600000		1	1.5%
2000000		1	1.5%
2033904		1	1.5%
2500000		1	1.5%
2787000		1	1.5%
3000000		1	1.5%
4000000		1	1.5%
5000000		2	3.1%
5500000		1	1.5%
6000000		1	1.5%
15000000		1	1.5%
24000000		1	1.5%
Sysmiss		293	

## C10: Generator Shared or Owned Over The Course of Last Fiscal Year?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 2

Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	3	0.8%
1	Yes	118	33%
2	No	237	66.2%

## C11: % Electricity From Generator Owned/Shared By The Establishment In Last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 118 Invalid: 240 Minimum: -9 Maximum: 100

Type: Discrete Decimal: 0 Width: 3 Range: -9 - 100 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	1.7%
0		7	5.9%
1		11	9.3%
2		16	13.6%
3		6	5.1%
4		2	1.7%
5		16	13.6%
6		1	0.8%
7		1	0.8%
8		3	2.5%
9		1	0.8%
10		13	11%
12		1	0.8%
15		7	5.9%
20		15	12.7%
28		1	0.8%
30		9	7.6%
35		1	0.8%
50		1	0.8%
83		1	0.8%
100		3	2.5%
Sysmiss		240	

## C12: Application To Obtain A Water Connection Submitted Over The Last 2 Years

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358   Invalid:   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 2   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%

1	Yes	36	10.1%
2	No	322	89.9%

### C13: How Many Days Did It Take For You To Obtain A Water Connection?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 36 Invalid: 322 Minimum: -6 Maximum: 365  
 Type: Discrete Decimal: 0 Width: 3 Range: -6 - 365 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-6	Still in process	2	5.6%
-5	Application denied	0	0%
1	One day or less	0	0%
2		2	5.6%
3		3	8.3%
5		2	5.6%
7		3	8.3%
14		1	2.8%
23		1	2.8%
25		1	2.8%
27		1	2.8%
30		7	19.4%
35		1	2.8%
37		1	2.8%
40		1	2.8%
45		3	8.3%
60		2	5.6%
65		1	2.8%
90		2	5.6%
150		1	2.8%
365		1	2.8%
Sysmiss		322	

**C14: When You Applied For A Water Connection, Was An Informal Gift/Payment Requested?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 36   Invalid: 322   Minimum: -9   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 2   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	3	8.3%
-8	Refusal (spontaneous)	1	2.8%
1	Yes	2	5.6%
2	No	30	83.3%
Sysmiss		322	

**C33: Cost to obtain water connection****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 36   Invalid: 322   Minimum: 5000   Maximum: 8000000  
 Type: Discrete   Decimal: 0   Width: 7   Range: 5000 - 8000000   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
5000		1	2.8%
30000		1	2.8%
56000		1	2.8%
60000		1	2.8%
70000		1	2.8%
110000		1	2.8%
110500		1	2.8%
120000		1	2.8%
140000		1	2.8%
150000		4	11.1%
162000		1	2.8%
180000		1	2.8%

200000		1	2.8%
250000		2	5.6%
300000		2	5.6%
350000		1	2.8%
403000		1	2.8%
480000		1	2.8%
482000		1	2.8%
500000		2	5.6%
553000		1	2.8%
750056		1	2.8%
800000		1	2.8%
1500000		2	5.6%
1800000		1	2.8%
2030000		1	2.8%
5450580		1	2.8%
7000000		1	2.8%
8000000		1	2.8%
Sysmiss		322	

### C34: Water consumption in a typical month

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 100000000  
 Type: Discrete Decimal: 0 Width: 9 Range: -9 - 100000000 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	18	100%

### C34B: Unit measure of answer to c34

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 340 Invalid: 18 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Cubic meters	311	91.5%
2	Gallons	26	7.6%
3	Cubic feet	3	0.9%
4	Other	0	0%
Sysmiss		18	

### C34BX: Other (Specify)

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid:

Type: Discrete Width: 1 Range: - Format: character

### C152: Did You Experience Insufficient Water Supply In Last FY?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	138	38.5%
2	No	220	61.5%

### C162: Frequency of Incidents of Water Shortages In A Typical Month In Last FY

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 138 Invalid: 220 Minimum: -9 Maximum: 30

Type: Discrete Decimal: 0 Width: 2 Range: -9 - 30 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	1.4%
0		3	2.2%
1		13	9.4%
2		29	21%
3		16	11.6%
4		9	6.5%
5		16	11.6%
6		14	10.1%
7		4	2.9%
8		8	5.8%
10		8	5.8%
11		1	0.7%
12		5	3.6%
15		2	1.4%
20		3	2.2%
21		1	0.7%
25		1	0.7%
30		3	2.2%
Sysmiss		220	

## C172: Average Length of Water Shortages In Last Fiscal Year

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 133    Invalid: 225    Minimum: 1    Maximum: 168  
 Type: Discrete    Decimal: 0    Width: 3    Range: 1 - 168    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	One hour or less	17	12.8%
2		18	13.5%
3		14	10.5%



4		13	9.8%
5		11	8.3%
6		9	6.8%
7		1	0.8%
8		1	0.8%
10		3	2.3%
12		7	5.3%
15		3	2.3%
18		2	1.5%
20		2	1.5%
24		8	6%
30		1	0.8%
35		1	0.8%
36		2	1.5%
40		1	0.8%
42		1	0.8%
48		7	5.3%
72		6	4.5%
96		2	1.5%
168		3	2.3%
Sysmiss		225	

### C35A: In Last FY, Losses As % of Annual Sales Due To Water Shortages

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 94   Invalid: 264   Minimum: -9   Maximum: 20  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 20   Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	1.1%
0	None	35	37.2%
1		15	16%
2		6	6.4%
3		7	7.4%
5		5	5.3%

7		1	1.1%
8		1	1.1%
9		1	1.1%
10		5	5.3%
12		1	1.1%
15		4	4.3%
18		1	1.1%
20		11	11.7%
Sysmiss		264	

### C35B: In Last FY, Value of Losses Due To Water Shortages

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 44   Invalid: 314   Minimum: 0   Maximum: 2500000  
 Type: Discrete   Decimal: 0   Width: 7   Range: 0 - 2500000   Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	None	1	2.3%
600		1	2.3%
10000		1	2.3%
15000		1	2.3%
20000		2	4.5%
21000		1	2.3%
22500		1	2.3%
30000		2	4.5%
48000		1	2.3%
50000		1	2.3%
60000		1	2.3%
80000		1	2.3%
90000		2	4.5%
100000		3	6.8%
144000		1	2.3%
150000		2	4.5%
200000		2	4.5%

240000		1	2.3%
300000		4	9.1%
320000		1	2.3%
400000		2	4.5%
480000		1	2.3%
492000		1	2.3%
500000		1	2.3%
520000		1	2.3%
600000		2	4.5%
700000		1	2.3%
1200000		1	2.3%
1500000		1	2.3%
2000000		1	2.3%
2400000		1	2.3%
2500000		1	2.3%
Sysmiss		314	

## C22B: Establishment Has Its Own Website

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	183	51.1%
2	No	175	48.9%

## C36: Application To Obtain Fixed Broadband Internet Connection Over The Last 2 Years

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	72	20.1%
2	No	286	79.9%

## C37: How Many Days Did It Take For You To Obtain Internet Connection?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 72   Invalid: 286   Minimum: -6   Maximum: 180  
 Type: Discrete   Decimal: 0   Width: 3   Range: -6 - 180   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-6	Still in process	1	1.4%
-5	Application denied	6	8.3%
1	One day or less	8	11.1%
2		9	12.5%
3		11	15.3%
4		4	5.6%
5		7	9.7%
6		1	1.4%
7		4	5.6%
8		1	1.4%
9		2	2.8%
10		2	2.8%
11		1	1.4%
14		2	2.8%
15		3	4.2%
30		4	5.6%
60		2	2.8%
90		2	2.8%
150		1	1.4%

180		1	1.4%
Sysmiss		286	

### C38: Cost to obtain Internet connection

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 72    Invalid: 286    Minimum: -9    Maximum: 1700000000  
 Type: Discrete    Decimal: 0    Width: 10    Range: -9 - 1700000000    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	1.4%
15000		1	1.4%
20000		1	1.4%
25000		2	2.8%
30000		5	6.9%
40000		1	1.4%
45300		1	1.4%
50000		4	5.6%
55500		1	1.4%
80000		2	2.8%
89000		1	1.4%
96000		1	1.4%
100000		2	2.8%
118000		1	1.4%
140000		1	1.4%
150000		3	4.2%
170000		1	1.4%
180000		3	4.2%
200000		4	5.6%
250000		2	2.8%
256300		1	1.4%
280000		3	4.2%
290000		1	1.4%
300000		3	4.2%
350000		1	1.4%

480000		1	1.4%
500000		3	4.2%
524304		1	1.4%
600000		3	4.2%
1000000		2	2.8%
1200000		1	1.4%
1280000		1	1.4%
1500000		1	1.4%
1587361		1	1.4%
2000000		1	1.4%
2700000		1	1.4%
3000000		1	1.4%
3258000		1	1.4%
4500000		2	2.8%
6000000		1	1.4%
11000000		1	1.4%
25000000		1	1.4%
30000000		1	1.4%
1700000000		1	1.4%
Sysmiss		286	

### C39: Did You Experience Internet Disruptions In Last FY?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -7 Maximum: 2

Type: Discrete Decimal: 0 Width: 2 Range: -7 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	The establishment does not have an internet connection	97	27.1%
1	Yes	96	26.8%
2	No	165	46.1%

**C40A: Average Length of Internet Disruptions: Hours****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 96    Invalid: 262    Minimum: 0    Maximum: 500  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 500    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	Less than 1 hour	35	36.5%
1		10	10.4%
2		16	16.7%
3		9	9.4%
4		5	5.2%
5		4	4.2%
6		3	3.1%
8		1	1%
10		2	2.1%
12		1	1%
15		1	1%
20		1	1%
30		5	5.2%
44		1	1%
48		1	1%
500		1	1%
Sysmiss		262	

**C40B: Average Length of Internet Disruptions: Minutes****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 35    Invalid: 323    Minimum: 5    Maximum: 50  
 Type: Discrete    Decimal: 0    Width: 2    Range: 5 - 50    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
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-9	Don't know (spontaneous)	0	0%
5		2	5.7%
15		8	22.9%
20		7	20%
25		2	5.7%
30		5	14.3%
35		2	5.7%
40		2	5.7%
45		2	5.7%
50		5	14.3%
Sysmiss		323	

### C41A: In Last FY, Losses As % of Annual Sales Due To Internet Disruptions

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 79    Invalid: 279    Minimum: -9    Maximum: 20  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 20    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	1.3%
0	None	37	46.8%
1		13	16.5%
2		5	6.3%
3		5	6.3%
4		1	1.3%
5		4	5.1%
8		1	1.3%
10		8	10.1%
15		2	2.5%
20		2	2.5%
Sysmiss		279	

### C41B: In Last FY, Value of Losses Due To Internet Disruptions

Data file: Rwanda-2023-full-data.dta



## Overview

Valid: 17 Invalid: 341 Minimum: 25000 Maximum: 5000000  
 Type: Discrete Decimal: 0 Width: 7 Range: 25000 - 5000000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	None	0	0%
25000		1	5.9%
50000		2	11.8%
80000		1	5.9%
100000		2	11.8%
250000		1	5.9%
400000		1	5.9%
500000		3	17.6%
1500000		1	5.9%
1800000		1	5.9%
2000000		1	5.9%
2400000		1	5.9%
2500000		1	5.9%
5000000		1	5.9%
Sysmiss		341	

## C42: How difficult to switch internet providers?

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	90	25.1%
-7	There is only one available internet provider	3	0.8%
1	Unable to change provider	10	2.8%
2	With some difficulty	50	14%

3	With little difficulty	47	13.1%
4	With no difficulty at all	158	44.1%

### C30A: How Much of An Obstacle: Electricity To Operations of This Establishment?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -7 Maximum: 4  
Type: Discrete Decimal: 0 Width: 2 Range: -7 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Does not apply	4	1.1%
0	No obstacle	119	33.2%
1	Minor obstacle	101	28.2%
2	Moderate obstacle	53	14.8%
3	Major obstacle	66	18.4%
4	Very severe obstacle	15	4.2%

### D1A1A: Establishment'S Main Product/Service Last FY

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 52  
Type: Discrete Decimal: 0 Width: 2 Range: 1 - 52 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Manufacturing of	132	36.9%
2	Retail trade of	75	20.9%
3	Wholesale trade of	28	7.8%
4	Construction of	3	0.8%
6	Provide services of	29	8.1%
51	Hotel	52	14.5%
52	Restaurant	39	10.9%

**D1A6A: Total number of hotel rooms in the last FY****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 52    Invalid: 306    Minimum: 1    Maximum: 408  
 Type: Discrete    Decimal: 0    Width: 3    Range: 1 - 408    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1		1	1.9%
13		1	1.9%
14		2	3.8%
15		1	1.9%
17		1	1.9%
18		2	3.8%
20		1	1.9%
24		5	9.6%
25		1	1.9%
26		1	1.9%
29		2	3.8%
30		1	1.9%
31		2	3.8%
33		1	1.9%
35		2	3.8%
36		2	3.8%
40		2	3.8%
41		1	1.9%
43		1	1.9%
46		1	1.9%
47		1	1.9%
48		2	3.8%
49		1	1.9%
50		3	5.8%
55		1	1.9%
60		1	1.9%
62		1	1.9%

65		1	1.9%
74		1	1.9%
98		1	1.9%
100		1	1.9%
112		1	1.9%
116		1	1.9%
142		1	1.9%
161		1	1.9%
176		1	1.9%
214		1	1.9%
408		1	1.9%
Sysmiss		306	

## D1A6B: Total areas of rooms in the last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 52   Invalid: 306   Minimum: 6   Maximum: 39256  
 Type: Discrete   Decimal: 0   Width: 5   Range: 6 - 39256   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
6		1	1.9%
17		1	1.9%
18		1	1.9%
84		1	1.9%
120		1	1.9%
135		1	1.9%
200		2	3.8%
216		1	1.9%
288		1	1.9%
290		1	1.9%
320		1	1.9%
350		1	1.9%
372		1	1.9%
450		1	1.9%

500		1	1.9%
518		1	1.9%
550		1	1.9%
600		1	1.9%
602		1	1.9%
620		1	1.9%
633		1	1.9%
640		1	1.9%
672		1	1.9%
700		1	1.9%
798		1	1.9%
800		2	3.8%
842		1	1.9%
960		1	1.9%
980		2	3.8%
1000		1	1.9%
1230		1	1.9%
1260		1	1.9%
1360		1	1.9%
1400		1	1.9%
1600		1	1.9%
1650		1	1.9%
2320		1	1.9%
2510		1	1.9%
2800		1	1.9%
3000		1	1.9%
3650		1	1.9%
4600		1	1.9%
4680		1	1.9%
5331		1	1.9%
5600		1	1.9%
12358		1	1.9%
20930		1	1.9%
23000		1	1.9%
39256		1	1.9%
Sysmiss		306	

**D1A6C: Specify units****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 52   Invalid: 306   Minimum: 1   Maximum: 3  
 Type: Discrete   Decimal: 0   Width: 1   Range: 1 - 3   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Square Feet	10	19.2%
2	Square Yards	0	0%
3	Square Meters	42	80.8%
4	Other (Specify)	0	0%
Sysmiss		306	

**D1A6CX: Other (Specify)****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358   Invalid:  
 Type: Discrete   Width: 1   Range: -   Format: character

**D1A3: Main Product/Service: Percent of Total Annual Sales****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358   Invalid:   Minimum: 30   Maximum: 100  
 Type: Discrete   Decimal: 0   Width: 3   Range: 30 - 100   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
30		3	0.8%
35		2	0.6%
40		1	0.3%
45		4	1.1%
46		1	0.3%

50		6	1.7%
55		2	0.6%
57		1	0.3%
58		4	1.1%
60		35	9.8%
65		14	3.9%
67		1	0.3%
68		1	0.3%
70		25	7%
75		7	2%
80		28	7.8%
85		7	2%
90		8	2.2%
95		12	3.4%
97		1	0.3%
98		1	0.3%
99		4	1.1%
100		190	53.1%

## D2: In Last Fiscal Year, What Were This Establishment's Total Annual Sales?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1355000 Maximum: 20394733211000  
 Type: Discrete Decimal: 0 Width: 14 Range: 1355000 - 20394733211000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
-9	Don't know (spontaneous)

## D31X: Main destination of exports (country code)

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid:  
 Type: Discrete Width: 28 Range: - Format: character

**D32: Main point of exit****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 24    Invalid: 334    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Airport	5	20.8%
2	Land border crossing	19	79.2%
3	Seaport	0	0%
Sysmiss		334	

**D2X: Please Also Write Out The Number****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:  
 Type: Continuous    Width: 124    Range: -    Format: character

**D2A1: What were the establishment's sales 2 years ago?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 132    Invalid: 226    Minimum: -9    Maximum: 150000000000  
 Type: Discrete    Decimal: 0    Width: 12    Range: -9 - 150000000000    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	12	57.1%
-7	Establishment was not in business	9	42.9%
Sysmiss		226	



**D2A1X: Please Also Write Out The Number****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358 Invalid:  
 Type: Continuous Width: 116 Range: - Format: character

**N3: What were the establishment's sales 3 years ago?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358 Invalid: Minimum: -9 Maximum: 15406590842000  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 15406590842000 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	7	12.7%
-7	Establishment was not in business in Fiscal Year	48	87.3%

**N3X: Please Also Write Out The Number****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358 Invalid:  
 Type: Continuous Width: 121 Range: - Format: character

**D3A: % of Sales: National Sales****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358 Invalid: Minimum: 0 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		6	1.7%
1		2	0.6%

5		3	0.8%
10		2	0.6%
25		2	0.6%
30		1	0.3%
35		1	0.3%
39		1	0.3%
40		1	0.3%
45		1	0.3%
50		3	0.8%
60		2	0.6%
65		1	0.3%
68		1	0.3%
70		2	0.6%
75		1	0.3%
80		7	2%
85		1	0.3%
88		1	0.3%
90		3	0.8%
93		1	0.3%
95		4	1.1%
98		4	1.1%
100		307	85.8%

### D3B: % of Sales: Indirect Exports

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 100

Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		326	91.1%
2		2	0.6%
4		2	0.6%
5		5	1.4%

7		1	0.3%
10		2	0.6%
15		2	0.6%
20		7	2%
25		2	0.6%
30		1	0.3%
50		2	0.6%
61		1	0.3%
90		1	0.3%
95		1	0.3%
99		1	0.3%
100		2	0.6%

### D3C: % of Sales: Direct Exports

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358   Invalid:   Minimum: 0   Maximum: 100  
 Type: Discrete   Decimal: 0   Width: 3   Range: 0 - 100   Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		330	92.2%
2		2	0.6%
5		3	0.8%
10		1	0.3%
12		1	0.3%
15		1	0.3%
20		2	0.6%
25		1	0.3%
28		1	0.3%
35		1	0.3%
46		1	0.3%
50		2	0.6%
60		1	0.3%
65		1	0.3%

75		2	0.6%
90		1	0.3%
94		1	0.3%
95		2	0.6%
100		4	1.1%

## D4A: In Last FY, Avg. Num. of Days For Exported Goods To Clear Customs?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 24    Invalid: 334    Minimum: -9    Maximum: 30  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 30    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	4.2%
-7	Does not apply (spontaneous)	0	0%
0	Less than one day	1	4.2%
1		7	29.2%
2		4	16.7%
3		2	8.3%
4		2	8.3%
10		1	4.2%
12		1	4.2%
14		1	4.2%
15		3	12.5%
30		1	4.2%
Sysmiss		334	

## D4B: If less than a day, total hours for exported goods to clear customs

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 1    Invalid: 357    Minimum: 20    Maximum: 20  
 Type: Discrete    Decimal: 0    Width: 2    Range: 20 - 20    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
20		1	100%
Sysmiss		357	

### D33A: In Last FY, Avg. Num. of Days For Exported Goods To Clear all border control age

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 24    Invalid: 334    Minimum: 1    Maximum: 60  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 60    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	Less than one day	0	0%
1		3	12.5%
2		4	16.7%
3		3	12.5%
4		4	16.7%
6		2	8.3%
15		1	4.2%
20		1	4.2%
21		2	8.3%
30		2	8.3%
45		1	4.2%
60		1	4.2%
Sysmiss		334	

### D33B: If less than a day, total hours for exported goods to clear all border control a

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid:    Invalid: 358    Maximum: \*  
 Type: Discrete    Decimal: 0    Width: 2    Range: - \*    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't know (spontaneous)
Sysmiss	

## D34: FCA costs to comply with all export requirements (% of value of goods exported)

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 24   Invalid: 334   Minimum: 1   Maximum: 10  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 10   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1		6	25%
2		4	16.7%
3		2	8.3%
4		1	4.2%
5		5	20.8%
6		1	4.2%
8		1	4.2%
10		4	16.7%
Sysmiss		334	

## D35: Any exports shipped by main parcel?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 24   Invalid: 334   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 2   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-9	Don't know (spontaneous)	0	0%
1	Yes	10	41.7%
2	No	14	58.3%
Sysmiss		334	

### D36A: In Last FY, Avg. Num. of Days For Exported Goods To Clear all border control age

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 10   Invalid: 348   Minimum: 2   Maximum: 45  
 Type: Discrete   Decimal: 0   Width: 2   Range: 2 - 45   Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	Less than one day	0	0%
2		1	10%
3		3	30%
6		1	10%
8		1	10%
21		2	20%
30		1	10%
45		1	10%
Sysmiss		348	

### D36B: If less than a day, total hours for exported goods to clear all border control a

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid:   Invalid: 358   Maximum: \*  
 Type: Discrete   Decimal: 0   Width: 2   Range: - \*   Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't know (spontaneous)
Sysmiss	

**D37: Average cost of digital exports (% of value of goods)****Data file:** Rwanda-2023-full-data.dta**Overview**

Valid: 10    Invalid: 348    Minimum: -9    Maximum: 10  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 10    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	10%
1		2	20%
2		2	20%
5		2	20%
6		1	10%
10		2	20%
Sysmiss		348	

**D8: In What Year Did This Establishment First Export Directly or Indirectly?****Data file:** Rwanda-2023-full-data.dta**Overview**

Valid: 53    Invalid: 305    Minimum: 1975    Maximum: 2023  
 Type: Discrete    Decimal: 0    Width: 4    Range: 1975 - 2023    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1975		1	1.9%
1976		1	1.9%
1979		1	1.9%
1993		1	1.9%
1998		1	1.9%
1999		1	1.9%
2000		1	1.9%
2002		1	1.9%



2006		1	1.9%
2007		2	3.8%
2008		1	1.9%
2009		1	1.9%
2010		3	5.7%
2011		1	1.9%
2013		3	5.7%
2014		5	9.4%
2015		5	9.4%
2016		2	3.8%
2017		3	5.7%
2019		3	5.7%
2020		7	13.2%
2021		3	5.7%
2022		4	7.5%
2023		1	1.9%
Sysmiss		305	

## D12A: % of Material Inputs And Supplies of Domestic origin In Last Fiscal Year

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 100

Type: Discrete Decimal: 0 Width: 3 Range: -9 - 100 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
0		15	4.2%
3		1	0.3%
5		4	1.1%
10		3	0.8%
15		2	0.6%
20		11	3.1%
25		4	1.1%
30		6	1.7%
35		3	0.8%

40		5	1.4%
45		2	0.6%
50		2	0.6%
52		1	0.3%
55		1	0.3%
60		7	2%
65		2	0.6%
70		7	2%
75		5	1.4%
78		1	0.3%
80		6	1.7%
85		2	0.6%
90		7	2%
95		4	1.1%
97		1	0.3%
98		4	1.1%
99		3	0.8%
100		248	69.3%

## D12B: % of Material Inputs And Supplies of Foreign origin In Last Fiscal Year

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 100

Type: Discrete Decimal: 0 Width: 3 Range: -9 - 100 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
0		248	69.3%
1		3	0.8%
2		4	1.1%
3		1	0.3%
5		4	1.1%
10		7	2%
15		2	0.6%
20		6	1.7%

22		1	0.3%
25		5	1.4%
30		7	2%
35		2	0.6%
40		7	2%
45		1	0.3%
48		1	0.3%
50		2	0.6%
55		2	0.6%
60		5	1.4%
65		3	0.8%
70		6	1.7%
75		4	1.1%
80		11	3.1%
85		2	0.6%
90		3	0.8%
95		4	1.1%
97		1	0.3%
100		15	4.2%

### D13: Were Any of These Material Inputs And Supplies Imported Directly?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 109    Invalid: 249    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 2    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	79	72.5%
2	No	30	27.5%
Sysmiss		249	

### D38X: Main origin of imports (country code)

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid:  
Type: Discrete Width: 28 Range: - Format: character

### D39: Main point of entry

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 79 Invalid: 279 Minimum: 1 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Airport	35	44.3%
2	Land border crossing	44	55.7%
3	Seaport	0	0%
Sysmiss		279	

### D14A: Avg. Num. of Days For Imported Goods To Clear Customs In Last Fiscal Year

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 79 Invalid: 279 Minimum: 0 Maximum: 90  
Type: Discrete Decimal: 0 Width: 2 Range: 0 - 90 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Does not apply (spontaneous)	0	0%
0	Less than one day	5	6.3%
1		5	6.3%
2		8	10.1%
3		11	13.9%
4		5	6.3%
5		8	10.1%
6		2	2.5%

7		7	8.9%
10		1	1.3%
14		2	2.5%
15		3	3.8%
20		6	7.6%
28		1	1.3%
30		6	7.6%
45		1	1.3%
55		2	2.5%
60		2	2.5%
85		2	2.5%
90		2	2.5%
Sysmiss		279	

### D14B: If less than a day, total hours for imported goods to clear customs

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 5   Invalid: 353   Minimum: 2   Maximum: 23  
 Type: Discrete   Decimal: 0   Width: 2   Range: 2 - 23   Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
2		2	40%
12		1	20%
19		1	20%
23		1	20%
Sysmiss		353	

### D40A: In Last FY, Avg. Num. of Days For Imported Goods To Clear all border control age

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 79   Invalid: 279   Minimum: 0   Maximum: 120  
 Type: Discrete   Decimal: 0   Width: 3   Range: 0 - 120   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	Less than one day	2	2.5%
1		1	1.3%
2		8	10.1%
3		2	2.5%
4		9	11.4%
5		3	3.8%
6		1	1.3%
7		5	6.3%
8		3	3.8%
9		2	2.5%
10		2	2.5%
14		3	3.8%
15		1	1.3%
20		2	2.5%
21		1	1.3%
23		1	1.3%
25		3	3.8%
27		1	1.3%
30		5	6.3%
35		3	3.8%
45		2	2.5%
60		6	7.6%
62		1	1.3%
71		1	1.3%
75		2	2.5%
90		6	7.6%
95		1	1.3%
105		1	1.3%
120		1	1.3%
Sysmiss		279	

**D40B: If less than a day, total hours for imported goods to clear all border control a**

**Data file: Rwanda-2023-full-data.dta**

## Overview

Valid: 2   Invalid: 356   Minimum: 2   Maximum: 12  
 Type: Discrete   Decimal: 0   Width: 2   Range: 2 - 12   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
2		1	50%
12		1	50%
Sysmiss		356	

## D41: DAP costs to comply with all import requirements (% of value of goods imported)

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 79   Invalid: 279   Minimum: -9   Maximum: 11  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 11   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	2.5%
1		5	6.3%
2		8	10.1%
3		9	11.4%
4		3	3.8%
5		16	20.3%
6		2	2.5%
8		5	6.3%
10		28	35.4%
11		1	1.3%
Sysmiss		279	

## D30A: How Much of An Obstacle: Transport?

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: -7 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -7 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Does not apply	4	1.1%
0	No obstacle	143	39.9%
1	Minor obstacle	83	23.2%
2	Moderate obstacle	59	16.5%
3	Major obstacle	56	15.6%
4	Very severe obstacle	13	3.6%

## D30B: How Much of An Obstacle: Customs And Trade Regulations?

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	7	2%
-7	Does not apply	72	20.1%
0	No obstacle	169	47.2%
1	Minor obstacle	46	12.8%
2	Moderate obstacle	35	9.8%
3	Major obstacle	25	7%
4	Very severe obstacle	4	1.1%

## O1: In the last three years, establishment had any commercial dispute?

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric



## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
1	Yes	64	17.9%
2	No	293	81.8%

## 02: Use of courts, arbitration etc. to (or attempt to ) resolve commercial dispute?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 64   Invalid: 294   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 2   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	45	70.3%
2	No	19	29.7%
Sysmiss		294	

## 03A: Reliable alternative to courts for resolving commercial disputes: Arbitration?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358   Invalid:   Minimum: -9   Maximum: 4  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 4   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	0.6%
-7	Does not apply (spontaneous)	32	8.9%
1	Strongly disagree	9	2.5%
2	Tend to disagree	7	2%
3	Tend to agree	65	18.2%

4	Strongly agree	243	67.9%
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### 03B: Reliable alternative to courts for resolving commercial disputes:Mediation etc.?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 4  
Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	3	0.8%
-7	Does not apply (spontaneous)	31	8.7%
1	Strongly disagree	8	2.2%
2	Tend to disagree	8	2.2%
3	Tend to agree	64	17.9%
4	Strongly agree	244	68.2%

### R1: What Happened When Problem In The Production Process/Services Provision Arose?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 181 Invalid: 177 Minimum: -9 Maximum: 4  
Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	4	2.2%
-7	Does not apply (spontaneous)	62	34.3%
1	We fixed it but did not take further action	5	2.8%
2	We fixed it and took action to make sure it did not happen again	58	32%
3	We fixed it and took action to make sure that it did not happen again, and had a continuous improvement process to anticipate problems like these in advance	43	23.8%
4	No action was taken	9	5%
Sysmiss		177	

**R2: Did This Establishment Monitor Any Production/Service Performance Indicators?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 181    Invalid: 177    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	134	74%
2	No	47	26%
Sysmiss		177	

**R3: How Many Production/Service Provision Performance Indicators Were Monitored?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 134    Invalid: 224    Minimum: 1    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	1-2 production performance indicators	66	49.3%
2	3-9 production performance indicators	53	39.6%
3	10 or more production performance indicators	15	11.2%
Sysmiss		224	

**R4: Did This Establishment Have Production/Service Provision Targets?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 181    Invalid: 177    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	167	92.3%
2	No	14	7.7%
Sysmiss		177	

## R5: What Best Describes The Time Frame of Production/Service Provision Targets?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 167    Invalid: 191    Minimum: 1    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 3    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Main focus was on short-term (less than one year) production targets	68	40.7%
2	Main focus was on long-term (one year or more) production targets	56	33.5%
3	Combination of short term and long term production targets	43	25.7%
Sysmiss		191	

## R6: How Easy To Achieve Its Production/Service Provision Targets?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 167    Invalid: 191    Minimum: 1    Maximum: 6  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 6    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Possible to achieve without much effort	21	12.6%
2	Possible to achieve with some effort	41	24.6%

3	Possible to achieve with normal amount of effort	39	23.4%
4	Possible to achieve with more than normal effort	36	21.6%
5	Only possible to achieve with extraordinary effort	13	7.8%
6	Targets were not achieved	17	10.2%
Sysmiss		191	

## R7: Who Was Aware of The Production/Service Provision Targets At This Establishment?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 167 Invalid: 191 Minimum: 1 Maximum: 4  
Type: Discrete Decimal: 0 Width: 2 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Only senior managers	52	31.1%
2	Most managers and some production workers	47	28.1%
3	Most managers and most production workers	30	18%
4	All managers and most production workers	38	22.8%
Sysmiss		191	

## R8: Was There Performance Bonuses Based On Production/Service Provision Targets?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 181 Invalid: 177 Minimum: -9 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.6%
1	Yes	75	41.4%
2	No	105	58%
Sysmiss		177	

## R9: What Were Managers' Performance Bonuses Usually Based On?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 75   Invalid: 283   Minimum: 1   Maximum: 4  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 4   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Their own performance	46	61.3%
2	Their team's or shift performance	10	13.3%
3	The establishment's performance	13	17.3%
4	The firm's performance	6	8%
Sysmiss		283	

## R10: What Was The Primary Way Non-Managers Were Promoted?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 181   Invalid: 177   Minimum: -9   Maximum: 4  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 4   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	5	2.8%
-7	Does not apply (spontaneous)	46	25.4%
1	Promotions were based solely on performance and ability	84	46.4%
2	Promotions were based partly on performance and ability, and partly on other factors (for example, tenure or family connections)	11	6.1%
3	Promotions were based mainly on factors other than performance and ability (for example, tenure or family connections)	2	1.1%
4	Non-managers are normally not promoted	33	18.2%
Sysmiss		177	

**R11: When Was An Under-Performing Non-Manager Reassigned or Dismissed?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 181    Invalid: 177    Minimum: -9    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.6%
-7	Does not apply (spontaneous)	49	27.1%
1	Within 6 months of identifying non-manager under-performance	28	15.5%
2	After 6 months of identifying non-manager under-performance	22	12.2%
3	Rarely or never	81	44.8%
Sysmiss		177	

**E1: In Last FY, Main Market For Establishment'S Main Product****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 1    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Local “ main product sold mostly in same municipality where establishment is located	193	53.9%
2	National “ main product sold mostly across the country where establishment is located	144	40.2%
3	International	21	5.9%

**E2B: Competitors For The Main Product/Service In The Main Market****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: -9    Maximum: 280  
 Type: Discrete    Decimal: 0    Width: 3    Range: -9 - 280    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	3	0.8%
-4	Too many to count	200	55.9%
0		4	1.1%
1		9	2.5%
2		16	4.5%
3		21	5.9%
4		11	3.1%
5		23	6.4%
6		9	2.5%
7		4	1.1%
8		4	1.1%
9		1	0.3%
10		14	3.9%
11		2	0.6%
12		2	0.6%
13		1	0.3%
15		3	0.8%
16		1	0.3%
17		1	0.3%
20		9	2.5%
23		2	0.6%
25		1	0.3%
28		1	0.3%
30		5	1.4%
32		1	0.3%
34		1	0.3%
36		1	0.3%
45		1	0.3%
50		2	0.6%
123		1	0.3%
150		2	0.6%
214		1	0.3%
280		1	0.3%



**E31A: Market share of largest competitor in the last fiscal year****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 162    Invalid: 196    Minimum: -9    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	6	3.7%
1	Above 90%	4	2.5%
2	Between 50% and 90%	91	56.2%
3	Below 50%	61	37.7%
Sysmiss		196	

**E31B: Market share of largest competitor in the last fiscal year****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 175    Invalid: 183    Minimum: -9    Maximum: 98  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 98    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	6	3.4%
0		4	2.3%
1		1	0.6%
5		1	0.6%
10		7	4%
15		3	1.7%
20		12	6.9%
25		4	2.3%
26		1	0.6%
30		13	7.4%
35		3	1.7%
40		11	6.3%
45		4	2.3%

50		26	14.9%
52		1	0.6%
55		5	2.9%
60		25	14.3%
65		11	6.3%
70		8	4.6%
75		5	2.9%
80		4	2.3%
85		8	4.6%
90		7	4%
95		3	1.7%
97		1	0.6%
98		1	0.6%
Sysmiss		183	

## E6: Do You Use Technology Licensed From A Foreign-Owned Company?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	65	18.2%
2	No	293	81.8%

## E11: Does This Establishment Compete Against Unregistered or Informal Firms?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	13	3.6%
1	Yes	122	34.1%
2	No	223	62.3%

## E32: Change in competition in the last year?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
1	Yes, there is more competition	227	63.4%
2	Yes, there is less competition	21	5.9%
3	No change	109	30.4%

## E33: Establishment can increase prices more than competitors without losing customers

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -7 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -7 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Prices are regulated	27	7.5%
-6	Prices set by HQ	6	1.7%
1	Yes	63	17.6%
2	No	262	73.2%

**E34: SOEs operating in the establishment's main market?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: -9    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	30	8.4%
1	Yes	28	7.8%
2	No	300	83.8%

**E35: How SOE affects ability to grow and expand?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 28    Invalid: 330    Minimum: 1    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	No state-owned enterprise	0	0%
1	Positively	4	14.3%
2	Not at all	18	64.3%
3	Negatively	6	21.4%
Sysmiss		330	

**E30: How Much of An Obstacle: Practices of Competitors In Informal Sector?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: -9    Maximum: 4  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 4    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	8	2.2%
-7	Does not apply	54	15.1%
0	No obstacle	122	34.1%
1	Minor obstacle	49	13.7%
2	Moderate obstacle	62	17.3%
3	Major obstacle	45	12.6%
4	Very severe obstacle	18	5%

## H1: New Products/Services Introduced Over Last 3 Yrs

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	238	66.5%
2	No	120	33.5%

## H2: New Products/Services Also New For Thr Establishment'S Main Market

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 238 Invalid: 120 Minimum: -9 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	0.8%
1	Yes	118	49.6%

2	No	118	49.6%
Sysmiss		120	

### H3X: Describe In Detail The Main New or Significantly Improved Product or Service

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid:

Type: Continuous Width: 244 Range: - Format: character

### H4X: Describe How The Main New/Significantly Improved Product or Service Is Different

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid:

Type: Continuous Width: 243 Range: - Format: character

### H5: During Last 3 Yrs, Establishment Introduced New/Significantly Improved Process

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	211	58.9%
2	No	147	41.1%

### H6X: Describe Main New/Significantly Improved Process This Establishment Introduced

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid:

Type: Continuous Width: 230 Range: - Format: character

**H7X: How The Main New/Significantly Improved Process Is Different****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358 Invalid:  
 Type: Continuous Width: 244 Range: - Format: character

**H8: During Last Fiscal Year, Establishment Spent On R&D (Excl Market Research)?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	25	7%
2	No	333	93%

**H9: How Much Spent On R&D, Either In-House or External?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 25 Invalid: 333 Minimum: 200000 Maximum: 800000000  
 Type: Discrete Decimal: 0 Width: 9 Range: 200000 - 800000000 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
200000		2	8%
250000		3	12%
269000		1	4%
300000		1	4%
450000		1	4%
600000		1	4%
650000		1	4%

750000		1	4%
1000000		1	4%
1250000		1	4%
1800000		1	4%
1900000		1	4%
2000000		2	8%
2500000		1	4%
5000000		2	8%
5500000		1	4%
5800000		1	4%
6000000		1	4%
9000000		1	4%
800000000		1	4%
Sysmiss		333	

## F1: In Last FY, What Was The Capacity Utilization (%) of This Establishment?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 132    Invalid: 226    Minimum: 10    Maximum: 100  
 Type: Discrete    Decimal: 0    Width: 3    Range: 10 - 100    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
10		1	0.8%
30		1	0.8%
40		2	1.5%
45		2	1.5%
50		5	3.8%
55		2	1.5%
60		9	6.8%
65		6	4.5%
66		2	1.5%
67		1	0.8%
68		3	2.3%
70		16	12.1%



72		1	0.8%
75		10	7.6%
78		1	0.8%
80		21	15.9%
81		1	0.8%
83		1	0.8%
85		15	11.4%
87		2	1.5%
88		4	3%
89		1	0.8%
90		15	11.4%
92		2	1.5%
95		3	2.3%
96		1	0.8%
98		1	0.8%
99		1	0.8%
100		2	1.5%
Sysmiss		226	

## G2: Applic. To Obtain A Construction-Related Permit Submitted Over The Last 2 Years

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	91	25.4%
2	No	267	74.6%

## G3: How Many Days Did It Take For You To Obtain A Construction-Related Permit?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 91 Invalid: 267 Minimum: -6 Maximum: 120  
Type: Discrete Decimal: 0 Width: 3 Range: -6 - 120 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-6	Still in process	1	1.1%
-5	Application denied	1	1.1%
1	One day or less	1	1.1%
3		2	2.2%
4		1	1.1%
5		1	1.1%
6		1	1.1%
7		4	4.4%
8		2	2.2%
10		3	3.3%
13		1	1.1%
14		9	9.9%
15		12	13.2%
16		2	2.2%
17		3	3.3%
18		1	1.1%
20		2	2.2%
21		1	1.1%
25		3	3.3%
28		2	2.2%
30		31	34.1%
40		1	1.1%
45		2	2.2%
60		1	1.1%
90		1	1.1%
120		2	2.2%
Sysmiss		267	

### G4: Informal Gift/Payment Expected or Requested For A Construction-Related Permit

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 91   Invalid: 267   Minimum: -9   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 2   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	6	6.6%
-8	Refusal (spontaneous)	4	4.4%
1	Yes	7	7.7%
2	No	74	81.3%
Sysmiss		267	

### G31: In last 2 years, establishment applied for occupancy permit

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -7 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -7 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Does not apply (spontaneous)	39	10.9%
1	Yes	49	13.7%
2	No	270	75.4%

### G32: Wait for occupancy permit

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 49 Invalid: 309 Minimum: -6 Maximum: 30  
 Type: Discrete Decimal: 0 Width: 2 Range: -6 - 30 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-6	Still in process	3	6.1%
-5	Application denied	0	0%

1	One day or less	1	2%
2		1	2%
3		2	4.1%
4		1	2%
5		1	2%
6		1	2%
7		3	6.1%
8		6	12.2%
10		1	2%
12		1	2%
14		2	4.1%
15		7	14.3%
16		1	2%
17		2	4.1%
20		1	2%
22		1	2%
25		1	2%
30		13	26.5%
Sysmiss		309	

### G33: Cost of occupancy permit

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 49   Invalid: 309   Minimum: 0   Maximum: 12000000  
 Type: Discrete   Decimal: 0   Width: 8   Range: 0 - 12000000   Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		4	8.2%
5		3	6.1%
6		2	4.1%
8		1	2%
11		2	4.1%
13		1	2%
15		2	4.1%

20		5	10.2%
22		1	2%
23		1	2%
25		1	2%
30		1	2%
5000		4	8.2%
25350		1	2%
30000		3	6.1%
40000		1	2%
50000		3	6.1%
56300		1	2%
182000		1	2%
200000		1	2%
250000		1	2%
295558		1	2%
350000		1	2%
400000		1	2%
500000		1	2%
670000		1	2%
758600		1	2%
5000000		1	2%
7500000		1	2%
12000000		1	2%
Sysmiss		309	

## G5A: What Is The Total Selling Area In This Establishment?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 75   Invalid: 283   Minimum: 6   Maximum: 1925  
 Type: Discrete   Decimal: 0   Width: 4   Range: 6 - 1925   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
6		1	1.3%
10		2	2.7%

13		1	1.3%
20		3	4%
24		3	4%
25		1	1.3%
26		2	2.7%
30		2	2.7%
32		1	1.3%
35		1	1.3%
36		3	4%
40		6	8%
42		2	2.7%
46		1	1.3%
49		1	1.3%
50		3	4%
56		3	4%
60		6	8%
70		1	1.3%
72		1	1.3%
80		3	4%
81		1	1.3%
85		1	1.3%
90		1	1.3%
100		3	4%
114		1	1.3%
120		1	1.3%
126		1	1.3%
130		1	1.3%
150		1	1.3%
180		2	2.7%
200		3	4%
250		2	2.7%
264		1	1.3%
300		1	1.3%
490		1	1.3%
500		1	1.3%
700		1	1.3%
750		1	1.3%
845		1	1.3%
895		1	1.3%

1459		1	1.3%
1925		1	1.3%
Sysmiss		283	

## G5B: The Area Is Measured In:

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 75    Invalid: 283    Minimum: 1    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 3    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Square Feet	3	4%
2	Square Yards	0	0%
3	Square Meters	72	96%
4	Other	0	0%
Sysmiss		283	

## G5BX: Specify Other Units (If Not Included Above) The Area Is Measured In

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358    Invalid:  
 Type: Discrete    Width: 1    Range: -    Format: character

## G30A: How Much of An Obstacle: Access To Land?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358    Invalid:    Minimum: -9    Maximum: 4  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 4    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	9	2.5%

-7	Does not apply	46	12.8%
0	No obstacle	80	22.3%
1	Minor obstacle	39	10.9%
2	Moderate obstacle	55	15.4%
3	Major obstacle	93	26%
4	Very severe obstacle	36	10.1%

### GE3: Experience damage of physical assets due to extreme weather events?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	50	14%
2	No	308	86%

### GE3A: Monetary damage of physical assets?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 50 Invalid: 308 Minimum: 5 Maximum: 350000000  
 Type: Discrete Decimal: 0 Width: 9 Range: 5 - 350000000 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
5		1	2%
100000		1	2%
120000		1	2%
300000		4	8%
350000		1	2%
400000		2	4%



460000		1	2%
500000		5	10%
600000		3	6%
750000		1	2%
1000000		6	12%
1200000		5	10%
1500000		1	2%
1800000		1	2%
2000000		1	2%
2500000		2	4%
3000000		1	2%
4000000		1	2%
5000000		1	2%
6000000		1	2%
8000000		1	2%
9000000		1	2%
10000000		2	4%
12000000		1	2%
15000000		2	4%
42000000		1	2%
50000000		1	2%
350000000		1	2%
Sysmiss		308	

## GE7: Over the last 3 years, establishment monitor its CO2 emissions?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	24	6.7%
2	No	334	93.3%

**GE8D: Over last 3 years, establishment adopt energy management measures?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Establishment was not in business	0	0%
1	Yes	98	27.4%
2	No	260	72.6%

**K3A: % of Working Capital Financed From Internal Funds/Retained Earnings****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 0    Maximum: 100  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 100    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		7	2%
10		5	1.4%
15		1	0.3%
18		1	0.3%
20		4	1.1%
25		3	0.8%
30		13	3.6%
35		1	0.3%
39		1	0.3%
40		9	2.5%
45		4	1.1%
50		27	7.5%
52		1	0.3%

55		2	0.6%
60		47	13.1%
65		8	2.2%
70		55	15.4%
72		1	0.3%
75		8	2.2%
80		33	9.2%
85		9	2.5%
90		11	3.1%
92		1	0.3%
95		2	0.6%
97		1	0.3%
100		103	28.8%

### K3BC: % of Working Capital Borrowed From Banks

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 100

Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		197	55%
5		3	0.8%
10		12	3.4%
15		4	1.1%
18		1	0.3%
20		21	5.9%
25		8	2.2%
28		1	0.3%
30		35	9.8%
35		5	1.4%
40		27	7.5%
45		1	0.3%
50		13	3.6%

55		1	0.3%
60		9	2.5%
70		7	2%
75		2	0.6%
80		4	1.1%
85		1	0.3%
90		4	1.1%
100		2	0.6%

### K3E: % of Working Capital Borrowed From Non-Bank Financial Institutions

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 100

Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		298	83.2%
5		4	1.1%
8		2	0.6%
10		9	2.5%
12		1	0.3%
15		6	1.7%
19		1	0.3%
20		10	2.8%
22		1	0.3%
25		2	0.6%
30		7	2%
35		2	0.6%
40		6	1.7%
50		5	1.4%
55		1	0.3%
60		1	0.3%
100		2	0.6%

**K3F: % of Working Capital Purchased On Credit/Advances From Suppliers /Customers****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358 Invalid: Minimum: 0 Maximum: 100

Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		268	74.9%
1		1	0.3%
2		1	0.3%
5		14	3.9%
6		1	0.3%
10		24	6.7%
12		1	0.3%
13		1	0.3%
15		7	2%
18		1	0.3%
20		18	5%
25		3	0.8%
30		5	1.4%
35		1	0.3%
39		1	0.3%
40		3	0.8%
50		5	1.4%
60		1	0.3%
90		1	0.3%
100		1	0.3%

**K3HD: % of Working Capital Financed By Other (Money Lenders, Friends, Relatives, Etc)****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358 Invalid: Minimum: 0 Maximum: 60

Type: Discrete Decimal: 0 Width: 2 Range: 0 - 60 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		311	86.9%
2		1	0.3%
5		13	3.6%
7		2	0.6%
8		1	0.3%
10		11	3.1%
15		1	0.3%
20		11	3.1%
30		3	0.8%
35		1	0.3%
40		2	0.6%
60		1	0.3%

### K4: Did This Establishment Purchase Any Fixed Assets In Last FY?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	135	37.7%
2	No	223	62.3%

### N5A: Total Annual Expenditure For Purchases of Equipment In Last FY

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 135 Invalid: 223 Minimum: 0 Maximum: 1985750000  
Type: Discrete Decimal: 0 Width: 10 Range: 0 - 1985750000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		23	17%
100		1	0.7%
130000		1	0.7%
280000		1	0.7%
300000		2	1.5%
360000		1	0.7%
380000		1	0.7%
400000		1	0.7%
500000		1	0.7%
600000		2	1.5%
680000		1	0.7%
800000		2	1.5%
1000000		4	3%
1200000		2	1.5%
1201206		1	0.7%
1300000		1	0.7%
1500000		1	0.7%
2000000		1	0.7%
2500000		1	0.7%
3000000		3	2.2%
3410000		1	0.7%
3458670		1	0.7%
3800000		2	1.5%
4000000		1	0.7%
4400000		1	0.7%
5000000		2	1.5%
5500000		1	0.7%
6000000		2	1.5%
6400000		1	0.7%
6600000		1	0.7%
7000000		2	1.5%
10000000		3	2.2%
10450000		1	0.7%
11000000		2	1.5%

11500000		1	0.7%
12000000		2	1.5%
12600000		1	0.7%
13000000		1	0.7%
15000000		3	2.2%
16000000		1	0.7%
16700000		1	0.7%
18000000		2	1.5%
20000000		4	3%
20350000		1	0.7%
21000000		1	0.7%
21554990		1	0.7%
22000000		1	0.7%
25120500		1	0.7%
26855500		1	0.7%
28000000		1	0.7%
30000000		5	3.7%
35000000		1	0.7%
36000000		1	0.7%
40000000		3	2.2%
40255450		1	0.7%
42680000		1	0.7%
48030000		1	0.7%
50000000		3	2.2%
55000000		1	0.7%
60538690		1	0.7%
80000000		1	0.7%
86200000		1	0.7%
95000000		2	1.5%
100000000		2	1.5%
110000000		1	0.7%
125000000		1	0.7%
125690053		1	0.7%
145500086		1	0.7%
150000000		1	0.7%
190983000		1	0.7%
230000000		1	0.7%
240000000		1	0.7%
260000000		1	0.7%



300000000		1	0.7%
388000000		1	0.7%
400000000		1	0.7%
490000000		1	0.7%
800000000		1	0.7%
1800000000		1	0.7%
1985750000		1	0.7%
Sysmiss		223	

## N5B: Total Annual Expenditure For Purchases of Land And Buildings In Last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 135    Invalid: 223    Minimum: 0    Maximum: 2050000000  
 Type: Discrete    Decimal: 0    Width: 10    Range: 0 - 2050000000    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		78	57.8%
500000		3	2.2%
600000		1	0.7%
1500000		1	0.7%
1742000		1	0.7%
2000000		2	1.5%
3500000		1	0.7%
4000000		1	0.7%
4200000		1	0.7%
4500000		1	0.7%
6400000		1	0.7%
8000000		2	1.5%
9000000		1	0.7%
9200000		1	0.7%
9563800		1	0.7%
10243840		1	0.7%
12630000		1	0.7%
15000000		3	2.2%

20000000		3	2.2%
22000000		1	0.7%
25464480		1	0.7%
26000000		1	0.7%
30000000		1	0.7%
40000000		1	0.7%
45000000		1	0.7%
52000000		2	1.5%
79000000		1	0.7%
82000000		1	0.7%
100000000		2	1.5%
100010000		1	0.7%
110000000		1	0.7%
115000000		1	0.7%
125800000		1	0.7%
125809600		1	0.7%
130000000		1	0.7%
152800000		1	0.7%
157000000		1	0.7%
200000000		2	1.5%
270000000		1	0.7%
280000000		1	0.7%
300000000		2	1.5%
358000000		2	1.5%
400000000		1	0.7%
800000000		1	0.7%
2050000000		1	0.7%
Sysmiss		223	

## K5A: Last FY, % Fixed Assets Funded By: Internal Funds/Retained Earnings

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 97    Invalid: 261    Minimum: 0    Maximum: 100  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 100    Format: Numeric

### Questions and instructions

CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		21	21.6%
5		1	1%
25		1	1%
30		1	1%
35		1	1%
40		3	3.1%
45		1	1%
50		6	6.2%
60		6	6.2%
70		4	4.1%
80		1	1%
100		51	52.6%
Sysmiss		261	

## K5A1: Fixed Assets - Value Internal Funds or Retained Earnings

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 38   Invalid: 320   Minimum: 0   Maximum: 490000000  
 Type: Discrete   Decimal: 0   Width: 9   Range: 0 - 490000000   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		3	7.9%
60000		1	2.6%
70000		1	2.6%
200000		1	2.6%
680000		1	2.6%
700000		1	2.6%
1000000		1	2.6%
1200000		1	2.6%
2000000		1	2.6%
2500000		2	5.3%
3000000		2	5.3%

3400000		1	2.6%
3410000		1	2.6%
3800000		1	2.6%
4200000		1	2.6%
5300000		1	2.6%
6000000		3	7.9%
6405000		1	2.6%
8000000		1	2.6%
10000000		2	5.3%
15000000		2	5.3%
15300000		1	2.6%
18000000		2	5.3%
40000000		1	2.6%
50000000		1	2.6%
65000000		1	2.6%
70000000		1	2.6%
260000000		1	2.6%
490000000		1	2.6%
Sysmiss		320	

## K5I: Last FY, % Fixed Assets Funded By: Owners' Contributions or Issued New Equity

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 97    Invalid: 261    Minimum: 0    Maximum: 50  
 Type: Discrete    Decimal: 0    Width: 2    Range: 0 - 50    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		85	87.6%
5		1	1%
10		1	1%
15		1	1%
20		2	2.1%
25		2	2.1%
30		1	1%

40		1	1%
50		3	3.1%
Sysmiss		261	

## K5I1: Fixed Assets - Value Owners' Contribution or Issued New Equity Shares

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 38 Invalid: 320 Minimum: 0 Maximum: 50000000  
 Type: Discrete Decimal: 0 Width: 8 Range: 0 - 50000000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		32	84.2%
70000		1	2.6%
100000		1	2.6%
726000		1	2.6%
2000000		1	2.6%
14900000		1	2.6%
50000000		1	2.6%
Sysmiss		320	

## K5BC: Last FY, % Fixed Assets Funded By: Bank Borrowing

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 97 Invalid: 261 Minimum: 0 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		62	63.9%
5		1	1%
10		2	2.1%

30		2	2.1%
40		5	5.2%
50		3	3.1%
60		2	2.1%
65		1	1%
70		1	1%
90		1	1%
100		17	17.5%
Sysmiss		261	

### K5BC1: Fixed Assets - Value Borrowed From Banks

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 38 Invalid: 320 Minimum: 0 Maximum: 100000000  
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 100000000 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		31	81.6%
900000		1	2.6%
3800000		1	2.6%
8000000		1	2.6%
15000000		1	2.6%
40000000		1	2.6%
75000000		1	2.6%
100000000		1	2.6%
Sysmiss		320	

### K5E: Last FY, % Fixed Assets Funded By: Non-Bank Financial Institutions

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 97 Invalid: 261 Minimum: 0 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		93	95.9%
30		1	1%
100		3	3.1%
Sysmiss		261	

### K5E1: Fixed Assets - Value Borrowed From Non-Bank Financial Institutions

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 38 Invalid: 320 Minimum: 0 Maximum: 12000000  
 Type: Discrete Decimal: 0 Width: 8 Range: 0 - 12000000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		30	78.9%
300000		1	2.6%
1000000		1	2.6%
1500000		2	5.3%
3000000		1	2.6%
5000000		1	2.6%
7000000		1	2.6%
12000000		1	2.6%
Sysmiss		320	

### K5F: Last FY, % Fixed Assets Funded By: Credit From Suppliers/Advances From Customers

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 97 Invalid: 261 Minimum: 0 Maximum: 25  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 25 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		91	93.8%
5		2	2.1%
10		1	1%
20		2	2.1%
25		1	1%
Sysmiss		261	

## K5F1: Fixed Assets - Value Purchases On Credit From Suppliers, Advances From Customers

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 38   Invalid: 320   Minimum: 0   Maximum: 40000000  
 Type: Discrete   Decimal: 0   Width: 8   Range: 0 - 40000000   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		31	81.6%
310000		1	2.6%
500000		1	2.6%
1874000		1	2.6%
5787000		1	2.6%
8000000		1	2.6%
10000000		1	2.6%
40000000		1	2.6%
Sysmiss		320	

## K5HDJ: Last FY, % Fixed Assets Funded By: Other (Money Lenders\Friends\Relatives\Etc)

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 97   Invalid: 261   Minimum: 0   Maximum: 60  
 Type: Discrete   Decimal: 0   Width: 2   Range: 0 - 60   Format: Numeric



## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		94	96.9%
5		1	1%
20		1	1%
60		1	1%
Sysmiss		261	

### K5HDJ1: Fixed Assets - Value Other

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 38   Invalid: 320   Minimum: 0   Maximum: 2200000  
 Type: Discrete   Decimal: 0   Width: 7   Range: 0 - 2200000   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		33	86.8%
200000		1	2.6%
1000000		1	2.6%
1300000		1	2.6%
2000000		1	2.6%
2200000		1	2.6%
Sysmiss		320	

### K4B: Purchase Any New/Used Fixed Assets?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 132   Invalid: 226   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 2   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	41	31.1%
2	No	91	68.9%
Sysmiss		226	

## N5C: Total Annual Expenditure For Purchases of Equipment In Year Prior To Last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 41    Invalid: 317    Minimum: 0    Maximum: 255268500  
 Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 255268500    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		3	7.3%
75000		1	2.4%
129000		1	2.4%
150000		2	4.9%
220000		1	2.4%
400000		1	2.4%
500000		1	2.4%
600000		1	2.4%
1000000		1	2.4%
2000000		2	4.9%
3750000		1	2.4%
4000000		1	2.4%
4200000		1	2.4%
5200000		1	2.4%
6000000		1	2.4%
10000000		2	4.9%
11000000		3	7.3%
13000000		1	2.4%

15000000		3	7.3%
16700000		1	2.4%
20000000		3	7.3%
21554990		1	2.4%
41000000		1	2.4%
48000000		1	2.4%
48455000		1	2.4%
49500000		1	2.4%
56200000		1	2.4%
59000000		1	2.4%
150000000		1	2.4%
255268500		1	2.4%
Sysmiss		317	

## N5D: Total Annual Expenditure On Land And Buildings In Year Prior To Last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 41    Invalid: 317    Minimum: 0    Maximum: 220563200  
 Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 220563200    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		31	75.6%
750000		1	2.4%
3000000		1	2.4%
3500000		1	2.4%
5000000		1	2.4%
10000000		1	2.4%
11200000		1	2.4%
12000000		1	2.4%
130000000		1	2.4%
165000000		1	2.4%
220563200		1	2.4%
Sysmiss		317	

**K6: Does This Establishment Have A Checking And/or Saving Account?**

Data file: Rwanda-2023-full-data.dta

**Overview**

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	324	90.5%
2	No	34	9.5%

**K7: At This Time, Does This Establishment Have An Overdraft Facility?**

Data file: Rwanda-2023-full-data.dta

**Overview**

Valid: 358 Invalid: Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
1	Yes	75	20.9%
2	No	282	78.8%

**K82: Establishment Has A Line of Credit or Loan From A Financial Institution?**

Data file: Rwanda-2023-full-data.dta

**Overview**

Valid: 358 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	0.6%

1	Yes, a loan only	166	46.4%
2	Yes, a line of credit only	16	4.5%
3	Yes, both a line of credit and a loan	9	2.5%
4	No	165	46.1%

## K9: Type of Financial Institution That Granted The Line of Credit or Loan

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 191    Invalid: 167    Minimum: 1    Maximum: 4  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 4    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Private commercial banks	143	74.9%
2	State-owned banks or government agency	8	4.2%
3	Non-bank financial institutions	37	19.4%
4	Other	3	1.6%
Sysmiss		167	

## K10: Year When The Most Recent Loan/Line of Credit Approved

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 191    Invalid: 167    Minimum: 2015    Maximum: 2024  
 Type: Discrete    Decimal: 0    Width: 4    Range: 2015 - 2024    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
2015		2	1%
2016		1	0.5%
2017		3	1.6%
2018		5	2.6%
2019		14	7.3%

2020		15	7.9%
2021		54	28.3%
2022		60	31.4%
2023		35	18.3%
2024		2	1%
Sysmiss		167	

## K11: For The Most Recent Loan, What Was The Value At The Time of Approval?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 191    Invalid: 167    Minimum: -8    Maximum: 150000000000  
 Type: Discrete    Decimal: 0    Width: 12    Range: -8 - 150000000000    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-8	Refusal (spontaneous)	2	1%
800000		1	0.5%
900000		1	0.5%
1000000		3	1.6%
2000000		7	3.7%
3000000		4	2.1%
4000000		4	2.1%
5000000		14	7.3%
6000000		4	2.1%
7000000		1	0.5%
8000000		6	3.1%
8500000		1	0.5%
9000000		1	0.5%
10000000		13	6.8%
12000000		2	1%
14000000		1	0.5%
15000000		3	1.6%
16000000		2	1%
17000000		1	0.5%
20000000		7	3.7%

21000000		1	0.5%
22000000		1	0.5%
25000000		4	2.1%
29000000		1	0.5%
30000000		6	3.1%
40000000		1	0.5%
45000000		3	1.6%
50000000		8	4.2%
57000000		1	0.5%
60000000		2	1%
60855000		1	0.5%
61000000		1	0.5%
65000000		1	0.5%
70000000		1	0.5%
80000000		2	1%
82000000		1	0.5%
95000000		1	0.5%
100000000		7	3.7%
101000000		1	0.5%
120000000		3	1.6%
130000000		1	0.5%
140000000		1	0.5%
150000000		4	2.1%
160000000		2	1%
170000000		1	0.5%
175000000		1	0.5%
180000000		1	0.5%
183000000		1	0.5%
200000000		5	2.6%
215000000		1	0.5%
216000000		1	0.5%
240000000		1	0.5%
250000000		2	1%
280000000		1	0.5%
300000000		9	4.7%
350000000		1	0.5%
360000000		1	0.5%
375000000		1	0.5%
400000000		1	0.5%

4500000000		1	0.5%
5000000000		4	2.1%
6000000000		3	1.6%
7000000000		1	0.5%
7550000000		1	0.5%
8000000000		2	1%
9000000000		1	0.5%
9500000000		1	0.5%
10000000000		2	1%
1177607825		1	0.5%
12500000000		1	0.5%
15000000000		1	0.5%
17000000000		1	0.5%
20000000000		6	3.1%
20900000000		1	0.5%
60000000000		1	0.5%
500000000000		1	0.5%
1500000000000		1	0.5%
Sysmiss		167	

### K13: Financing Required For The Most Recent Line of Credit or Loan

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 191    Invalid: 167    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 2    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	180	94.2%
2	No	11	5.8%
Sysmiss		167	

### K14A: Type of Collateral Required For The Most Recent Loan? Land, Buildings

Data file: Rwanda-2023-full-data.dta



## Overview

Valid: 180   Invalid: 178   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 2   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	94	52.2%
2	No	86	47.8%
Sysmiss		178	

## K14B: Type of Collateral Required For The Most Recent Loan? Equipment

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 180   Invalid: 178   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 2   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	24	13.3%
2	No	156	86.7%
Sysmiss		178	

## K14C: Type of Collateral Required For The Most Recent Loan? Accounts

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 180   Invalid: 178   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 2   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%

1	Yes	19	10.6%
2	No	161	89.4%
Sysmiss		178	

### K14D: Type of Collateral Required For The Most Recent Loan? Personal Assets

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 180   Invalid: 178   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 2   Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	94	52.2%
2	No	86	47.8%
Sysmiss		178	

### K14E: Type of Collateral Required For The Most Recent Loan? Other

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 180   Invalid: 178   Minimum: -9   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 2   Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.6%
1	Yes	11	6.1%
2	No	168	93.3%
Sysmiss		178	

### K15A: Value of Collateral Required For The Most Recent Credit/Loan

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 181    Invalid: 177    Minimum: -9    Maximum: 100000000000  
 Type: Discrete    Decimal: 0    Width: 12    Range: -9 - 100000000000    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	3	1.7%
1500000		1	0.6%
3000000		3	1.7%
4000000		2	1.1%
5000000		1	0.6%
6000000		1	0.6%
7000000		2	1.1%
7500000		1	0.6%
8000000		1	0.6%
10000000		7	3.9%
11000000		1	0.6%
12000000		4	2.2%
13000000		3	1.7%
14000000		1	0.6%
15000000		6	3.3%
16000000		1	0.6%
17000000		1	0.6%
20000000		8	4.4%
25000000		7	3.9%
27000000		1	0.6%
29000000		1	0.6%
30000000		10	5.5%
35000000		2	1.1%
40000000		4	2.2%
45000000		2	1.1%
50000000		8	4.4%
53000000		1	0.6%
56000000		1	0.6%
58000000		1	0.6%
60000000		5	2.8%
70000000		2	1.1%
75000000		1	0.6%

80000000		3	1.7%
92000000		1	0.6%
100000000		2	1.1%
110000000		1	0.6%
115000000		1	0.6%
120000000		2	1.1%
150000000		4	2.2%
170000000		1	0.6%
180000000		1	0.6%
250000000		6	3.3%
300000000		3	1.7%
360000000		1	0.6%
380000000		1	0.6%
400000000		3	1.7%
450000000		2	1.1%
500000000		9	5%
515000000		1	0.6%
600000000		7	3.9%
650000000		1	0.6%
675000000		1	0.6%
680000000		1	0.6%
700000000		2	1.1%
800000000		8	4.4%
915000000		1	0.6%
1000000000		4	2.2%
1132500000		1	0.6%
1200000000		1	0.6%
1500000000		4	2.2%
1900000000		2	1.1%
2000000000		6	3.3%
2090000000		1	0.6%
2200000000		1	0.6%
5000000000		1	0.6%
15000000000		2	1.1%
75000000000		1	0.6%
100000000000		1	0.6%
Sysmiss		177	

**K15B: Total Number of Open Lines of Credit and Outstanding Loans****Data file:** Rwanda-2023-full-data.dta**Overview**

Valid: 191    Invalid: 167    Minimum: -9    Maximum: 7  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 7    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	6	3.1%
1		143	74.9%
2		20	10.5%
3		12	6.3%
4		4	2.1%
5		4	2.1%
7		2	1%
Sysmiss		167	

**K15C: Total Outstanding Balance of All Open Lines of Credit and Loans (LCU)****Data file:** Rwanda-2023-full-data.dta**Overview**

Valid: 185    Invalid: 173    Minimum: -9    Maximum: 25000000000  
 Type: Discrete    Decimal: 0    Width: 11    Range: -9 - 25000000000    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	50%
-8	Refusal (spontaneous)	2	50%
Sysmiss		173	

**K15D: Outstanding Personal Loans Used To Finance Establishment'S Business Activities?****Data file:** Rwanda-2023-full-data.dta**Overview**

Valid: 358    Invalid:    Minimum: -9    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	12	3.4%
1	Yes	58	16.2%
2	No	288	80.4%

## K162: In Last FY, Did Establishment Apply For New Loans/Lines of Credit?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
1	Yes, a loan only	103	28.8%
2	Yes, a line of credit only	16	4.5%
3	Yes, both a line of credit and a loan	14	3.9%
4	No	224	62.6%

## K17: Main Reason For Not Applying For New Loans or New Lines of Credit

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 224 Invalid: 134 Minimum: -9 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.4%
1	No need for a loan - establishment had sufficient capital	78	34.8%
2	Application procedures were complex	20	8.9%
3	Interest rates were not favorable	22	9.8%

4	Collateral requirements were too high	24	10.7%
5	Size of loan and maturity were insufficient	9	4%
6	Did not think it would be approved	32	14.3%
7	Other	38	17%
Sysmiss		134	

## K20A1: What Was The Outcome of That Most Recent Application For Loan/Line of Credit?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 133 Invalid: 225 Minimum: -6 Maximum: 4  
Type: Discrete Decimal: 0 Width: 2 Range: -6 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-6	Still in process	3	2.3%
1	Application was approved in full	119	89.5%
2	Application was approved in part	7	5.3%
3	Application was rejected	1	0.8%
4	Application was withdrawn	3	2.3%
Sysmiss		225	

## K31: Total cost to apply for most recent loan

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 117 Invalid: 241 Minimum: -9 Maximum: 50000000  
Type: Discrete Decimal: 0 Width: 8 Range: -9 - 50000000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	5	4.3%
0		5	4.3%
1		8	6.8%
2		1	0.9%

3		1	0.9%
4		1	0.9%
7		2	1.7%
10		2	1.7%
12		1	0.9%
15		2	1.7%
16		2	1.7%
20		3	2.6%
30		1	0.9%
20000		1	0.9%
20500		1	0.9%
23568		1	0.9%
25000		1	0.9%
30000		1	0.9%
46500		1	0.9%
50000		2	1.7%
82500		1	0.9%
100000		6	5.1%
110000		1	0.9%
120000		1	0.9%
150000		7	6%
155000		1	0.9%
170000		1	0.9%
180000		1	0.9%
200000		5	4.3%
250000		2	1.7%
300000		3	2.6%
350000		1	0.9%
385000		1	0.9%
400000		1	0.9%
500000		9	7.7%
600000		4	3.4%
675000		1	0.9%
700000		1	0.9%
750000		2	1.7%
753500		1	0.9%
860000		1	0.9%
900000		1	0.9%
1000000		5	4.3%



1500000		1	0.9%
1770000		1	0.9%
2000000		2	1.7%
3000000		3	2.6%
3500000		1	0.9%
7000000		2	1.7%
8000000		1	0.9%
12000000		2	1.7%
25000000		2	1.7%
32000000		1	0.9%
40000000		1	0.9%
50000000		1	0.9%
Sysmiss		241	

## K32: Days to receive a decision about most recent loan application

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 115    Invalid: 243    Minimum: 1    Maximum: 120  
 Type: Discrete    Decimal: 0    Width: 3    Range: 1 - 120    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1		2	1.7%
2		3	2.6%
3		4	3.5%
5		6	5.2%
7		9	7.8%
10		2	1.7%
14		4	3.5%
15		2	1.7%
20		5	4.3%
21		2	1.7%
22		1	0.9%
23		1	0.9%
25		1	0.9%

27		1	0.9%
28		1	0.9%
30		36	31.3%
45		12	10.4%
60		16	13.9%
90		5	4.3%
120		2	1.7%
Sysmiss		243	

## K21: Financial Statements Checked & Certified By External Auditor In Last FY?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
1	Yes	160	44.7%
2	No	197	55%

## K33: Percentage of payments received using e-payments

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 100  
Type: Discrete Decimal: 0 Width: 3 Range: -9 - 100 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	3	0.8%
0		1	0.3%
1		4	1.1%
2		7	2%
3		4	1.1%

4		1	0.3%
5		9	2.5%
10		15	4.2%
15		6	1.7%
20		19	5.3%
25		4	1.1%
30		19	5.3%
35		3	0.8%
40		22	6.1%
45		7	2%
50		20	5.6%
55		8	2.2%
60		28	7.8%
65		7	2%
68		1	0.3%
70		38	10.6%
75		16	4.5%
78		2	0.6%
80		43	12%
85		6	1.7%
89		1	0.3%
90		23	6.4%
92		1	0.3%
93		1	0.3%
95		14	3.9%
96		1	0.3%
98		3	0.8%
99		3	0.8%
100		18	5%

### K34: Main type of e-payment accepted

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 354   Invalid: 4   Minimum: -9   Maximum: 6  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 6   Format: Numeric

#### Questions and instructions

CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	0.6%
1	Internet and mobile banking, including direct debit transfer	121	34.2%
2	Debit cards	18	5.1%
3	Credit cards	1	0.3%
4	E-money and e-wallet, excluding mobile money	4	1.1%
5	Mobile money	206	58.2%
6	Other	2	0.6%
Sysmiss		4	

### K35: Avg. days to receive main type of e-payment

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 352   Invalid: 6   Minimum: -9   Maximum: 11  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 11   Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	3	0.9%
0	Payment received in less than a day	235	66.8%
1		64	18.2%
2		30	8.5%
3		16	4.5%
4		1	0.3%
5		2	0.6%
11		1	0.3%
Sysmiss		6	

### K36: Cost per transaction (% of transaction) to receive main type of e-payment

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 352   Invalid: 6   Minimum: -9   Maximum: 10  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 10   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	22	6.3%
0		86	24.4%
1		175	49.7%
2		21	6%
3		16	4.5%
4		7	2%
5		19	5.4%
9		1	0.3%
10		5	1.4%
Sysmiss		6	

### K37: Monthly fees and subscription costs to receive main type of e-payment

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 352 Invalid: 6 Minimum: -9 Maximum: 60000000  
 Type: Discrete Decimal: 0 Width: 8 Range: -9 - 60000000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	52	100%
Sysmiss		6	

### K38: Percentage of payments made using e-payments

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 100 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-9	Don't know (spontaneous)	5	1.4%
0		27	7.5%
1		15	4.2%
2		6	1.7%
3		2	0.6%
5		9	2.5%
10		17	4.7%
15		7	2%
20		23	6.4%
25		8	2.2%
30		20	5.6%
35		1	0.3%
40		17	4.7%
45		2	0.6%
50		31	8.7%
55		4	1.1%
56		1	0.3%
60		26	7.3%
65		6	1.7%
70		30	8.4%
75		9	2.5%
80		22	6.1%
85		8	2.2%
90		18	5%
94		1	0.3%
95		11	3.1%
98		9	2.5%
99		5	1.4%
100		18	5%

### K39: Main type of e-payment used to make payments

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 326    Invalid: 32    Minimum: 1    Maximum: 5  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 5    Format: Numeric

#### Questions and instructions

CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Internet and mobile banking, including direct debit transfer	143	43.9%
2	Debit cards	13	4%
3	Credit cards	1	0.3%
4	E-money and e-wallet, excluding mobile money	4	1.2%
5	Mobile money	165	50.6%
6	Other	0	0%
Sysmiss		32	

### K40: Cost per transaction (% of transaction) to make main type of e-payment

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 326   Invalid: 32   Minimum: -9   Maximum: 10  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 10   Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	16	4.9%
0		86	26.4%
1		165	50.6%
2		23	7.1%
3		12	3.7%
4		4	1.2%
5		18	5.5%
10		2	0.6%
Sysmiss		32	

### K30: How Much of An Obstacle: Access To Finance

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358   Invalid:   Minimum: -7   Maximum: 4  
 Type: Discrete   Decimal: 0   Width: 2   Range: -7 - 4   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Does not apply	1	0.3%
0	No obstacle	93	26%
1	Minor obstacle	96	26.8%
2	Moderate obstacle	82	22.9%
3	Major obstacle	64	17.9%
4	Very severe obstacle	22	6.1%

## J31: In resolving commercial disputes, courts are independent and impartial

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	8	2.2%
-7	Does not apply (spontaneous)	23	6.4%
1	Strongly disagree	10	2.8%
2	Tend to disagree	27	7.5%
3	Tend to agree	91	25.4%
4	Strongly agree	199	55.6%

## J2: What % of Senior Management Time Was Spent In Dealing With Govt Regulations?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 100 Format: Numeric

## Questions and instructions

### CATEGORIES



Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
0	No time was spent	91	25.4%
1		53	14.8%
2		66	18.4%
3		12	3.4%
4		11	3.1%
5		20	5.6%
6		7	2%
7		9	2.5%
8		6	1.7%
10		12	3.4%
12		8	2.2%
14		1	0.3%
15		5	1.4%
18		2	0.6%
20		11	3.1%
25		1	0.3%
27		2	0.6%
28		1	0.3%
30		7	2%
35		2	0.6%
40		4	1.1%
47		1	0.3%
49		1	0.3%
50		4	1.1%
52		1	0.3%
56		1	0.3%
60		2	0.6%
67		1	0.3%
70		1	0.3%
75		1	0.3%
80		4	1.1%
85		1	0.3%
90		3	0.8%
95		1	0.3%
96		1	0.3%
100		3	0.8%

**J3: Over The Last 12 Months, Was This Establishment Inspected By Tax officials?****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	291	81.3%
2	No	67	18.7%

**J4: Frequency of Inspections/Requirement For Meeting By Tax officials****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 291    Invalid: 67    Minimum: 1    Maximum: 300  
 Type: Discrete    Decimal: 0    Width: 3    Range: 1 - 300    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1		45	15.5%
2		60	20.6%
3		49	16.8%
4		49	16.8%
5		17	5.8%
6		14	4.8%
7		1	0.3%
8		5	1.7%
10		3	1%
12		36	12.4%
15		1	0.3%
20		2	0.7%

24		3	1%
30		1	0.3%
48		1	0.3%
50		2	0.7%
60		1	0.3%
300		1	0.3%
Sysmiss		67	

## J5: In Any of These Inspections Was A Gift/Informal Payment Requested ?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 291    Invalid: 67    Minimum: -9    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 2    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
-8	Refusal (spontaneous)	1	0.3%
1	Yes	23	7.9%
2	No	266	91.4%
Sysmiss		67	

## J32: Did any of these visits or meetings consist of a tax audit?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 291    Invalid: 67    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 2    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	259	89%
2	No	32	11%
Sysmiss		67	

**J33: Weeks until final audit report was received****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 259    Invalid: 99    Minimum: -9    Maximum: 30  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 30    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	4	1.5%
-5	Audit is ongoing	9	3.5%
1	One week or less	85	32.8%
2		51	19.7%
3		27	10.4%
4		25	9.7%
5		3	1.2%
6		6	2.3%
8		11	4.2%
9		2	0.8%
10		2	0.8%
12		8	3.1%
13		1	0.4%
14		5	1.9%
15		5	1.9%
16		3	1.2%
20		3	1.2%
21		1	0.4%
26		1	0.4%
29		1	0.4%
30		6	2.3%
Sysmiss		99	

**J34: Establishment outsourced some tax-related activities in the last FY****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 1    Maximum: 3

Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes, fully	126	35.2%
2	Yes, partially	108	30.2%
3	No	124	34.6%

**J35A: Total annual time spent on tax compliance (hours)**

Data file: Rwanda-2023-full-data.dta

**Overview**

Valid: 183    Invalid: 175    Minimum: -9    Maximum: 288

Type: Discrete    Decimal: 0    Width: 3    Range: -9 - 288    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	5	2.7%
1	One hour or less	0	0%
12		2	1.1%
14		1	0.5%
16		4	2.2%
17		1	0.5%
18		1	0.5%
20		3	1.6%
24		14	7.7%
25		2	1.1%
28		2	1.1%
30		15	8.2%
32		11	6%
33		3	1.6%
34		4	2.2%
35		5	2.7%
36		16	8.7%
37		1	0.5%

38		4	2.2%
40		9	4.9%
41		2	1.1%
42		2	1.1%
44		1	0.5%
45		2	1.1%
46		2	1.1%
48		24	13.1%
51		1	0.5%
53		1	0.5%
54		1	0.5%
56		2	1.1%
58		2	1.1%
60		5	2.7%
64		1	0.5%
65		1	0.5%
68		1	0.5%
70		1	0.5%
72		19	10.4%
76		2	1.1%
92		1	0.5%
96		5	2.7%
120		1	0.5%
126		1	0.5%
162		1	0.5%
288		1	0.5%
Sysmiss		175	

### J35B: Average monthly time spent on tax compliance (hours)

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 175    Invalid: 183    Minimum: -9    Maximum: 156  
 Type: Discrete    Decimal: 0    Width: 3    Range: -9 - 156    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
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-9	Don't know (spontaneous)	4	2.3%
1	One hour or less	5	2.9%
2		12	6.9%
3		7	4%
4		16	9.1%
5		8	4.6%
6		2	1.1%
8		6	3.4%
10		2	1.1%
12		6	3.4%
14		1	0.6%
15		2	1.1%
16		2	1.1%
18		2	1.1%
20		1	0.6%
23		1	0.6%
24		16	9.1%
27		1	0.6%
30		8	4.6%
32		3	1.7%
34		1	0.6%
36		2	1.1%
39		1	0.6%
40		3	1.7%
42		2	1.1%
43		1	0.6%
45		2	1.1%
46		1	0.6%
47		1	0.6%
48		20	11.4%
50		5	2.9%
51		1	0.6%
52		1	0.6%
56		2	1.1%
60		1	0.6%
64		1	0.6%
72		14	8%
76		1	0.6%
96		4	2.3%

120		5	2.9%
156		1	0.6%
Sysmiss		183	

### J36: In last FY, did establishment file taxes electronically

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358    Invalid:    Minimum: 1    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 3    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes, fully	278	77.7%
2	Yes, partially	73	20.4%
3	No	7	2%

### J37: In last FY, did establishment pay taxes electronically

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358    Invalid:    Minimum: 1    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 3    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes, fully	269	75.1%
2	Yes, partially	84	23.5%
3	No	5	1.4%

### J38: In the last 3 yrs., establishment has applied for a VAT refund

Data file: Rwanda-2023-full-data.dta



## Overview

Valid: 358 Invalid: Minimum: -7 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -7 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Not VAT eligible	52	14.5%
-6	VAT refund not available	28	7.8%
1	Yes	78	21.8%
2	No	200	55.9%

## J39: Weeks to receive VAT refund

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 78 Invalid: 280 Minimum: -9 Maximum: 90  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 90 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	1.3%
-5	Refund still outstanding	33	42.3%
1	One week or less	1	1.3%
2		1	1.3%
4		4	5.1%
5		1	1.3%
6		2	2.6%
7		1	1.3%
8		4	5.1%
10		2	2.6%
12		8	10.3%
13		1	1.3%
16		1	1.3%
20		2	2.6%
22		1	1.3%

24		1	1.3%
28		2	2.6%
30		3	3.8%
31		1	1.3%
32		2	2.6%
40		1	1.3%
50		1	1.3%
52		1	1.3%
60		1	1.3%
90		2	2.6%
Sysmiss		280	

## J40: Main reason for not applying for a VAT tax refund

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 200 Invalid: 158 Minimum: -9 Maximum: 4  
Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	1%
1	VAT cash refunds take too long to receive	12	6%
2	The application for a VAT cash refund is too complicated	15	7.5%
3	The establishment did not need to apply for a VAT cash refund	158	79%
4	Other	13	6.5%
Sysmiss		158	

## J6A: Government Contract Secured (or Attempted) In The Last 12 Months?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	85	23.7%
2	No	273	76.3%

## J41: Degree of difficulty to comply with govt contract tender requirements

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 85 Invalid: 273 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Very much difficult	8	9.4%
2	Moderately difficult	34	40%
3	Somewhat difficult	20	23.5%
4	Not difficult at all	23	27.1%
Sysmiss		273	

## J42: Establishment has held a govt contract in last 3 yrs?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	91	25.4%
2	No	267	74.6%

**J43: Typical number of days to receive payment under govt contract****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 91    Invalid: 267    Minimum: -9    Maximum: 340  
 Type: Discrete    Decimal: 0    Width: 3    Range: -9 - 340    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	1.1%
1	Less than one day	1	1.1%
3		1	1.1%
12		1	1.1%
15		6	6.6%
16		1	1.1%
18		1	1.1%
20		2	2.2%
21		5	5.5%
27		1	1.1%
28		1	1.1%
30		21	23.1%
40		2	2.2%
45		22	24.2%
60		9	9.9%
70		1	1.1%
90		6	6.6%
100		2	2.2%
120		2	2.2%
150		1	1.1%
180		2	2.2%
240		1	1.1%
340		1	1.1%
Sysmiss		267	

**J7A: Percent of Total Annual Sales Paid In Informal Payments****Data file: Rwanda-2023-full-data.dta**

## Overview

Valid: 338 Invalid: 20 Minimum: -9 Maximum: 80  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 80 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	14	4.1%
-8	Refusal (spontaneous)	5	1.5%
0	No payments or gifts are paid	298	88.2%
1		4	1.2%
2		4	1.2%
3		1	0.3%
4		1	0.3%
5		2	0.6%
7		3	0.9%
10		1	0.3%
13		1	0.3%
14		1	0.3%
55		1	0.3%
70		1	0.3%
80		1	0.3%
Sysmiss		20	

## J7B: Total Annual Informal Payment

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 20 Invalid: 338 Minimum: 0 Maximum: 500000  
 Type: Discrete Decimal: 0 Width: 6 Range: 0 - 500000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-8	Refusal (spontaneous)	0	0%
0	No payments or gifts are paid	17	85%
100000		1	5%

200000		1	5%
500000		1	5%
Sysmiss		338	

## J10: Application To Obtain An Import License Submitted Over The Last 2 Years?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358    Invalid:    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 2    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	69	19.3%
2	No	289	80.7%

## J11: How Many Days Did It Take To Obtain Your Import License?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 69    Invalid: 289    Minimum: 1    Maximum: 150  
 Type: Discrete    Decimal: 0    Width: 3    Range: 1 - 150    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-6	Still in process	0	0%
-5	Application denied	0	0%
1	One day or less	1	1.4%
2		2	2.9%
3		13	18.8%
4		3	4.3%
5		3	4.3%
6		1	1.4%
7		5	7.2%

8		2	2.9%
10		3	4.3%
11		1	1.4%
14		5	7.2%
15		8	11.6%
20		2	2.9%
28		1	1.4%
30		13	18.8%
45		2	2.9%
60		3	4.3%
150		1	1.4%
Sysmiss		289	

## J12: When You Applied For An Import License, Was An Informal Gift/Payment Requested?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 69   Invalid: 289   Minimum: -9   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 2   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	1.4%
-8	Refusal (spontaneous)	3	4.3%
1	Yes	7	10.1%
2	No	58	84.1%
Sysmiss		289	

## J13: Application To Obtain An Operating License Submitted Over Last 2 Years?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358   Invalid:   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 2   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	54	15.1%
2	No	304	84.9%

## J14: How Many Days Did It Take To Obtain Your Operating License?

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 54   Invalid: 304   Minimum: -6   Maximum: 360  
 Type: Discrete   Decimal: 0   Width: 3   Range: -6 - 360   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-6	Still in process	4	7.4%
-5	Application denied	0	0%
1	One day or less	6	11.1%
2		4	7.4%
3		6	11.1%
4		2	3.7%
5		4	7.4%
7		6	11.1%
15		3	5.6%
21		1	1.9%
30		8	14.8%
60		3	5.6%
90		3	5.6%
120		1	1.9%
150		1	1.9%
360		2	3.7%
Sysmiss		304	

## J15: When You Applied For Operating License Was An Informal Gift/Payment Requested?

Data file: Rwanda-2023-full-data.dta



## Overview

Valid: 54   Invalid: 304   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 2   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-8	Refusal (spontaneous)	0	0%
1	Yes	1	1.9%
2	No	53	98.1%
Sysmiss		304	

## J30A: How Much of An Obstacle: Tax Rates

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358   Invalid:   Minimum: 0   Maximum: 4  
 Type: Discrete   Decimal: 0   Width: 2   Range: 0 - 4   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Does not apply	0	0%
0	No obstacle	114	31.8%
1	Minor obstacle	87	24.3%
2	Moderate obstacle	59	16.5%
3	Major obstacle	76	21.2%
4	Very severe obstacle	22	6.1%

## J30B: How Much of An Obstacle: Tax Administrations

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358   Invalid:   Minimum: -9   Maximum: 4  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 4   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
-7	Does not apply	0	0%
0	No obstacle	224	62.6%
1	Minor obstacle	77	21.5%
2	Moderate obstacle	31	8.7%
3	Major obstacle	18	5%
4	Very severe obstacle	7	2%

### J30C: How Much of An Obstacle: Business Licensing And Permits

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -7 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -7 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Does not apply	3	0.8%
0	No obstacle	223	62.3%
1	Minor obstacle	74	20.7%
2	Moderate obstacle	36	10.1%
3	Major obstacle	20	5.6%
4	Very severe obstacle	2	0.6%

### J30E: How Much of An Obstacle: Political Instability

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	0.6%
-7	Does not apply	15	4.2%
0	No obstacle	254	70.9%
1	Minor obstacle	26	7.3%
2	Moderate obstacle	12	3.4%
3	Major obstacle	15	4.2%
4	Very severe obstacle	34	9.5%

### J30F: How Much of An Obstacle: Corruption

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	3	0.8%
-7	Does not apply	41	11.5%
0	No obstacle	239	66.8%
1	Minor obstacle	20	5.6%
2	Moderate obstacle	15	4.2%
3	Major obstacle	12	3.4%
4	Very severe obstacle	28	7.8%

### H30: How Much of An Obstacle: Courts

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	0.6%
-7	Does not apply	21	5.9%
0	No obstacle	261	72.9%
1	Minor obstacle	20	5.6%
2	Moderate obstacle	32	8.9%
3	Major obstacle	17	4.7%
4	Very severe obstacle	5	1.4%

### I30: How Much of An Obstacle: Crime, Theft And Disorder?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: -7 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -7 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Does not apply	1	0.3%
0	No obstacle	198	55.3%
1	Minor obstacle	74	20.7%
2	Moderate obstacle	35	9.8%
3	Major obstacle	16	4.5%
4	Very severe obstacle	34	9.5%

### J30\_TAXRATE\_POS: J30: rotation position 1

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		55	15.4%
2		50	14%
3		51	14.2%
4		49	13.7%
5		54	15.1%
6		47	13.1%
7		52	14.5%

### J30\_TAXADMIN\_POS: J30: rotation position 2

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		41	11.5%
2		38	10.6%
3		73	20.4%
4		51	14.2%
5		52	14.5%
6		50	14%
7		53	14.8%

### J30\_PERMIT\_POS: J30: rotation position 3

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		45	12.6%
2		59	16.5%
3		36	10.1%
4		60	16.8%
5		55	15.4%
6		54	15.1%
7		49	13.7%

### J30\_INSTABILITY\_POS: J30: rotation position 4

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		40	11.2%
2		57	15.9%
3		46	12.8%
4		49	13.7%
5		70	19.6%
6		51	14.2%
7		45	12.6%

### J30\_CORRUPTION\_POS: J30: rotation position 5

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		43	12%
2		42	11.7%
3		50	14%
4		56	15.6%
5		40	11.2%
6		71	19.8%
7		56	15.6%

### J30\_COURTS\_POS: J30: rotation position 6

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		73	20.4%
2		44	12.3%
3		45	12.6%
4		47	13.1%
5		41	11.5%
6		41	11.5%
7		67	18.7%

### J30\_CRIME\_POS: J30: rotation position 7

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		61	17%
2		68	19%
3		57	15.9%
4		46	12.8%
5		46	12.8%
6		44	12.3%
7		36	10.1%

## L1: Num. Permanent, Full-Time Employees At End of Last Fiscal Year

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 2100  
 Type: Discrete Decimal: 0 Width: 4 Range: -9 - 2100 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	100%

## L2: Num. Permanent, Full-Time Employees At End of 3 Fiscal Years Ago

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -7 Maximum: 700  
 Type: Discrete Decimal: 0 Width: 3 Range: -7 - 700 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Establishment was not in business	48	13.4%
0		1	0.3%
1		6	1.7%



2		14	3.9%
3		23	6.4%
4		17	4.7%
5		21	5.9%
6		15	4.2%
7		10	2.8%
8		9	2.5%
9		7	2%
10		21	5.9%
11		6	1.7%
12		9	2.5%
13		3	0.8%
14		4	1.1%
15		8	2.2%
16		4	1.1%
17		2	0.6%
18		3	0.8%
19		2	0.6%
20		8	2.2%
21		3	0.8%
22		3	0.8%
23		5	1.4%
24		4	1.1%
25		5	1.4%
28		6	1.7%
30		2	0.6%
31		2	0.6%
32		2	0.6%
33		1	0.3%
35		6	1.7%
36		1	0.3%
37		1	0.3%
38		1	0.3%
39		1	0.3%
40		2	0.6%
41		2	0.6%
42		1	0.3%
44		1	0.3%
45		1	0.3%

48		1	0.3%
50		4	1.1%
54		2	0.6%
56		1	0.3%
60		2	0.6%
64		2	0.6%
65		2	0.6%
70		1	0.3%
75		1	0.3%
78		1	0.3%
80		1	0.3%
82		2	0.6%
86		1	0.3%
88		1	0.3%
92		1	0.3%
96		1	0.3%
97		1	0.3%
101		2	0.6%
103		1	0.3%
108		1	0.3%
110		1	0.3%
113		1	0.3%
120		2	0.6%
125		1	0.3%
127		1	0.3%
132		1	0.3%
138		1	0.3%
140		1	0.3%
150		1	0.3%
157		1	0.3%
166		1	0.3%
170		1	0.3%
179		1	0.3%
180		1	0.3%
185		1	0.3%
200		1	0.3%
205		1	0.3%
218		1	0.3%
223		1	0.3%

230		1	0.3%
244		1	0.3%
265		1	0.3%
312		1	0.3%
315		1	0.3%
320		1	0.3%
352		1	0.3%
379		1	0.3%
380		1	0.3%
400		1	0.3%
413		1	0.3%
418		1	0.3%
445		1	0.3%
450		1	0.3%
477		1	0.3%
550		1	0.3%
627		1	0.3%
700		1	0.3%

### L3A: Num. Full-Time Employees At End of Last FY: Production Workers

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 132    Invalid: 226    Minimum: 2    Maximum: 2075  
 Type: Discrete    Decimal: 0    Width: 4    Range: 2 - 2075    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
2		1	0.8%
3		5	3.8%
4		11	8.3%
5		10	7.6%
6		5	3.8%
7		2	1.5%
8		5	3.8%
9		2	1.5%

10		8	6.1%
11		4	3%
12		1	0.8%
13		2	1.5%
15		4	3%
16		2	1.5%
17		1	0.8%
18		1	0.8%
19		4	3%
20		2	1.5%
21		1	0.8%
22		3	2.3%
23		3	2.3%
25		1	0.8%
26		1	0.8%
27		1	0.8%
28		4	3%
30		3	2.3%
32		2	1.5%
33		1	0.8%
34		1	0.8%
35		1	0.8%
37		3	2.3%
40		1	0.8%
45		2	1.5%
47		1	0.8%
53		1	0.8%
66		1	0.8%
68		2	1.5%
75		2	1.5%
86		1	0.8%
100		1	0.8%
103		1	0.8%
108		1	0.8%
116		1	0.8%
131		1	0.8%
140		1	0.8%
144		1	0.8%
150		1	0.8%

184		1	0.8%
200		2	1.5%
205		1	0.8%
236		1	0.8%
241		1	0.8%
253		1	0.8%
256		1	0.8%
290		1	0.8%
331		1	0.8%
335		1	0.8%
340		1	0.8%
380		1	0.8%
436		1	0.8%
440		1	0.8%
633		1	0.8%
1570		1	0.8%
2075		1	0.8%
Sysmiss		226	

### L3B: Num. Full-Time Employees At End of Last FY: Non-Production Workers

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 132    Invalid: 226    Minimum: 0    Maximum: 328  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 328    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		5	3.8%
1		15	11.4%
2		13	9.8%
3		16	12.1%
4		8	6.1%
5		11	8.3%
6		7	5.3%
7		1	0.8%

8		2	1.5%
9		5	3.8%
10		7	5.3%
12		4	3%
14		1	0.8%
15		2	1.5%
16		3	2.3%
17		1	0.8%
18		1	0.8%
20		2	1.5%
21		1	0.8%
23		1	0.8%
24		1	0.8%
25		3	2.3%
26		2	1.5%
27		1	0.8%
28		1	0.8%
30		3	2.3%
32		1	0.8%
35		1	0.8%
36		1	0.8%
60		1	0.8%
64		1	0.8%
70		1	0.8%
83		1	0.8%
85		1	0.8%
92		1	0.8%
108		2	1.5%
129		1	0.8%
155		1	0.8%
165		1	0.8%
328		1	0.8%
Sysmiss		226	

### L4A1: Num. of Permanent, Full-Time Skilled Production Workers, Last FY

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358    Invalid:    Minimum: -9    Maximum: 460

Type: Discrete    Decimal: 0    Width: 3    Range: -9 - 460    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
0		6	1.7%
1		23	6.4%
2		47	13.1%
3		30	8.4%
4		32	8.9%
5		36	10.1%
6		25	7%
7		4	1.1%
8		17	4.7%
9		3	0.8%
10		21	5.9%
11		4	1.1%
12		8	2.2%
13		2	0.6%
14		2	0.6%
15		11	3.1%
16		4	1.1%
17		2	0.6%
18		1	0.3%
19		1	0.3%
20		5	1.4%
21		2	0.6%
23		2	0.6%
25		4	1.1%
26		1	0.3%
27		3	0.8%
29		1	0.3%
30		6	1.7%
31		1	0.3%
32		1	0.3%
35		1	0.3%
36		3	0.8%
37		1	0.3%

38		1	0.3%
40		6	1.7%
41		1	0.3%
45		3	0.8%
50		5	1.4%
52		1	0.3%
53		1	0.3%
60		3	0.8%
63		1	0.3%
65		1	0.3%
74		1	0.3%
78		1	0.3%
80		1	0.3%
90		1	0.3%
100		1	0.3%
102		1	0.3%
120		1	0.3%
124		1	0.3%
138		2	0.6%
140		1	0.3%
145		1	0.3%
152		1	0.3%
166		1	0.3%
170		1	0.3%
200		2	0.6%
208		2	0.6%
250		1	0.3%
300		1	0.3%
315		1	0.3%
335		1	0.3%
460		1	0.3%

## L4A2: Num. of Permanent, Full-Time Semi-skilled Production Workers, Last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 800

Type: Discrete Decimal: 0 Width: 3 Range: -9 - 800 Format: Numeric



## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
0		37	10.3%
1		34	9.5%
2		56	15.6%
3		28	7.8%
4		30	8.4%
5		22	6.1%
6		6	1.7%
7		12	3.4%
8		10	2.8%
9		4	1.1%
10		21	5.9%
11		8	2.2%
12		10	2.8%
13		1	0.3%
14		4	1.1%
15		4	1.1%
16		2	0.6%
18		6	1.7%
20		8	2.2%
21		1	0.3%
23		1	0.3%
25		2	0.6%
26		1	0.3%
27		4	1.1%
28		1	0.3%
30		5	1.4%
32		2	0.6%
35		1	0.3%
37		1	0.3%
40		4	1.1%
48		1	0.3%
49		1	0.3%
50		2	0.6%
52		1	0.3%

54		1	0.3%
55		1	0.3%
58		1	0.3%
60		1	0.3%
61		1	0.3%
80		1	0.3%
81		1	0.3%
90		1	0.3%
100		3	0.8%
102		1	0.3%
114		1	0.3%
115		1	0.3%
145		1	0.3%
150		1	0.3%
160		1	0.3%
192		1	0.3%
200		1	0.3%
246		1	0.3%
255		1	0.3%
400		2	0.6%
489		1	0.3%
500		1	0.3%
800		1	0.3%

## L4B: Num. of Permanent, Full-Time Low-skilled Production Workers, Last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 1455

Type: Discrete Decimal: 0 Width: 4 Range: -9 - 1455 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
0		114	31.8%
1		49	13.7%
2		32	8.9%

3		24	6.7%
4		23	6.4%
5		23	6.4%
6		14	3.9%
7		4	1.1%
8		2	0.6%
9		5	1.4%
10		9	2.5%
11		5	1.4%
12		1	0.3%
13		2	0.6%
14		2	0.6%
15		3	0.8%
16		2	0.6%
17		2	0.6%
18		2	0.6%
20		7	2%
21		2	0.6%
22		1	0.3%
23		1	0.3%
24		2	0.6%
27		1	0.3%
30		3	0.8%
31		1	0.3%
33		1	0.3%
34		1	0.3%
38		1	0.3%
40		1	0.3%
50		2	0.6%
60		1	0.3%
86		1	0.3%
90		1	0.3%
99		1	0.3%
100		2	0.6%
120		1	0.3%
150		1	0.3%
160		1	0.3%
179		1	0.3%
186		1	0.3%

188		1	0.3%
228		1	0.3%
600		1	0.3%
1455		1	0.3%

## L5A: Num. Full-Time Employees At End of Last FY: Female Production Workers

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 132    Invalid: 226    Minimum: 0    Maximum: 1400  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1400    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		21	15.9%
1		8	6.1%
2		17	12.9%
3		16	12.1%
4		7	5.3%
5		1	0.8%
6		5	3.8%
7		5	3.8%
8		4	3%
9		3	2.3%
10		6	4.5%
11		2	1.5%
12		1	0.8%
13		1	0.8%
14		1	0.8%
15		1	0.8%
16		1	0.8%
19		2	1.5%
20		2	1.5%
21		1	0.8%
22		1	0.8%
23		1	0.8%

28		2	1.5%
30		1	0.8%
32		1	0.8%
33		1	0.8%
35		2	1.5%
37		1	0.8%
44		1	0.8%
50		1	0.8%
70		1	0.8%
76		1	0.8%
86		1	0.8%
104		1	0.8%
180		2	1.5%
184		1	0.8%
186		1	0.8%
205		1	0.8%
220		1	0.8%
340		1	0.8%
436		1	0.8%
633		1	0.8%
900		1	0.8%
1400		1	0.8%
Sysmiss		226	

## L5B: Num. Full-Time Employees At End of Last FY: Female Non-Production Workers

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 132    Invalid: 226    Minimum: 0    Maximum: 129  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 129    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		30	22.7%
1		27	20.5%
2		19	14.4%

3		7	5.3%
4		6	4.5%
5		3	2.3%
6		6	4.5%
7		1	0.8%
8		1	0.8%
9		3	2.3%
10		5	3.8%
11		2	1.5%
12		2	1.5%
14		1	0.8%
15		3	2.3%
16		2	1.5%
20		4	3%
21		1	0.8%
24		1	0.8%
25		1	0.8%
30		1	0.8%
32		1	0.8%
40		1	0.8%
72		1	0.8%
89		1	0.8%
92		1	0.8%
129		1	0.8%
Sysmiss		226	

## L5: Num. Full-Time Employees At End of Last FY: Female

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 226    Invalid: 132    Minimum: -9    Maximum: 627  
 Type: Discrete    Decimal: 0    Width: 3    Range: -9 - 627    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.4%
0		17	7.5%

1		30	13.3%
2		22	9.7%
3		23	10.2%
4		19	8.4%
5		8	3.5%
6		16	7.1%
7		11	4.9%
8		9	4%
9		5	2.2%
10		5	2.2%
11		6	2.7%
12		3	1.3%
13		2	0.9%
14		1	0.4%
15		4	1.8%
16		2	0.9%
17		4	1.8%
18		3	1.3%
20		6	2.7%
21		1	0.4%
22		1	0.4%
26		1	0.4%
28		1	0.4%
29		2	0.9%
30		1	0.4%
32		2	0.9%
33		1	0.4%
37		1	0.4%
42		1	0.4%
45		1	0.4%
47		1	0.4%
49		1	0.4%
50		1	0.4%
55		1	0.4%
60		2	0.9%
62		1	0.4%
87		1	0.4%
100		1	0.4%
108		1	0.4%

110		1	0.4%
122		1	0.4%
190		1	0.4%
211		1	0.4%
250		1	0.4%
627		1	0.4%
Sysmiss		132	

## L9B: % of Full Time Workers Completed High School End of Last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 151    Invalid: 207    Minimum: 0    Maximum: 100  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 100    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		6	4%
2		2	1.3%
5		4	2.6%
10		4	2.6%
20		7	4.6%
25		1	0.7%
30		7	4.6%
35		2	1.3%
40		4	2.6%
45		2	1.3%
49		1	0.7%
50		16	10.6%
60		8	5.3%
65		1	0.7%
70		16	10.6%
75		1	0.7%
80		10	6.6%
85		5	3.3%
87		1	0.7%



89		1	0.7%
90		14	9.3%
95		9	6%
97		1	0.7%
98		1	0.7%
99		2	1.3%
100		25	16.6%
Sysmiss		207	

### L9B1: Number of Full Time Workers Completed High School

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 207    Invalid: 151    Minimum: 0    Maximum: 460  
 Type: Continuous    Decimal: 0    Width: 3    Range: 0 - 460    Format: Numeric

### L10: Formal Training Programs For Permanent, Full-Time Employees In Last FY

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358    Invalid:    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 2    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	131	36.6%
2	No	227	63.4%

### L11A: % Permanent Full-Time Production Employees Received Formal Training In Last FY

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 38    Invalid: 320    Minimum: -9    Maximum: 100  
 Type: Discrete    Decimal: 0    Width: 3    Range: -9 - 100    Format: Numeric

#### Questions and instructions

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	5.3%
0	No employees trained	0	0%
1		1	2.6%
30		3	7.9%
35		1	2.6%
50		1	2.6%
55		1	2.6%
60		6	15.8%
65		1	2.6%
70		2	5.3%
80		1	2.6%
90		2	5.3%
95		1	2.6%
97		1	2.6%
98		1	2.6%
100		14	36.8%
Sysmiss		320	

## L11A1: Training Programs Amount: Production Full-Time Permanent Employees Trained

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 21   Invalid: 337   Minimum: 1   Maximum: 335  
 Type: Discrete   Decimal: 0   Width: 3   Range: 1 - 335   Format: Numeric

### Questions and instructions

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	No employees trained	0	0%
1		1	4.8%
2		3	14.3%
3		3	14.3%
4		2	9.5%
6		1	4.8%
8		1	4.8%
14		1	4.8%

22		1	4.8%
30		2	9.5%
31		1	4.8%
40		1	4.8%
50		1	4.8%
63		1	4.8%
100		1	4.8%
335		1	4.8%
Sysmiss		337	

## L11B: % Permanent Fulltime Nonproduction Employees Received Formal Training In Last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 38   Invalid: 320   Minimum: -9   Maximum: 100  
 Type: Discrete   Decimal: 0   Width: 3   Range: -9 - 100   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	5.3%
0	No employees trained	5	13.2%
2		2	5.3%
10		1	2.6%
15		3	7.9%
20		1	2.6%
30		1	2.6%
40		1	2.6%
50		2	5.3%
60		3	7.9%
70		1	2.6%
80		1	2.6%
90		3	7.9%
100		12	31.6%
Sysmiss		320	

**L11B1: Training Programs Amount:Non-Production Full-Time Permanent Employees Trained****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 21    Invalid: 337    Minimum: 0    Maximum: 100  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 100    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	No employees trained	4	19%
2		5	23.8%
3		3	14.3%
5		1	4.8%
8		1	4.8%
10		1	4.8%
13		1	4.8%
25		1	4.8%
65		1	4.8%
83		1	4.8%
89		1	4.8%
100		1	4.8%
Sysmiss		337	

**L12A: % Permanent Full-Time Female Employees Received Formal Training In Last FY****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 79    Invalid: 279    Minimum: 0    Maximum: 100  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 100    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	No female employees trained	6	7.6%
1		2	2.5%
2		1	1.3%

3		1	1.3%
8		1	1.3%
10		7	8.9%
15		2	2.5%
20		6	7.6%
25		2	2.5%
30		4	5.1%
40		4	5.1%
45		1	1.3%
50		6	7.6%
60		7	8.9%
65		1	1.3%
70		2	2.5%
80		2	2.5%
85		1	1.3%
90		1	1.3%
95		2	2.5%
100		20	25.3%
Sysmiss		279	

## L12A1: Training Programs Amount: Full-Time Permanent Female Employees Trained

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 52   Invalid: 306   Minimum: 0   Maximum: 250  
 Type: Discrete   Decimal: 0   Width: 3   Range: 0 - 250   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	No female employees trained	5	9.6%
1		5	9.6%
2		6	11.5%
3		7	13.5%
4		5	9.6%
5		3	5.8%
6		2	3.8%

7		1	1.9%
8		3	5.8%
9		2	3.8%
10		2	3.8%
13		1	1.9%
18		2	3.8%
20		1	1.9%
24		1	1.9%
26		1	1.9%
27		1	1.9%
28		1	1.9%
30		1	1.9%
37		1	1.9%
250		1	1.9%
Sysmiss		306	

### L31: In the last FY, number of workers establishment needed to hire

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 280

Type: Discrete Decimal: 0 Width: 3 Range: 0 - 280 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	No need to hire any new permanent full-time workers	220	61.5%
1		15	4.2%
2		29	8.1%
3		15	4.2%
4		9	2.5%
5		15	4.2%
6		5	1.4%
7		8	2.2%
8		3	0.8%
9		1	0.3%
10		6	1.7%

14		2	0.6%
15		4	1.1%
19		2	0.6%
20		7	2%
23		1	0.3%
27		1	0.3%
32		1	0.3%
33		1	0.3%
40		2	0.6%
43		1	0.3%
50		1	0.3%
53		1	0.3%
56		1	0.3%
80		1	0.3%
110		1	0.3%
135		1	0.3%
138		1	0.3%
140		1	0.3%
150		1	0.3%
280		1	0.3%

### L32: In the last FY, number of workers establishment hired

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 138    Invalid: 220    Minimum: -9    Maximum: 150  
 Type: Discrete    Decimal: 0    Width: 3    Range: -9 - 150    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.7%
0	No hires	13	9.4%
1		23	16.7%
2		25	18.1%
3		13	9.4%
4		8	5.8%
5		13	9.4%

6		4	2.9%
7		5	3.6%
8		3	2.2%
9		1	0.7%
10		3	2.2%
14		2	1.4%
15		4	2.9%
19		2	1.4%
20		3	2.2%
26		1	0.7%
27		1	0.7%
32		1	0.7%
33		1	0.7%
40		3	2.2%
43		1	0.7%
48		1	0.7%
53		1	0.7%
110		1	0.7%
120		1	0.7%
138		1	0.7%
140		1	0.7%
150		1	0.7%
Sysmiss		220	

### L33: Main reason establishment did not hire more workers in the last FY

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 43   Invalid: 315   Minimum: 1   Maximum: 6  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 6   Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Non-wage labor costs were too high	16	37.2%
2	Legally required minimum wage or cost of dismissal were too high	2	4.7%
3	Lack of skilled labor	11	25.6%



4	Competitive labor costs and benefits were too high	0	0%
5	Not enough budget or headquarters did not authorize the hiring	9	20.9%
6	Other	5	11.6%
Sysmiss		315	

### L34: In the last 3 yrs., establishment has dismissed any permanent, full-time workers

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
Type: Discrete Decimal: 0 Width: 2 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
1	Yes	106	29.6%
2	No	252	70.4%

### L35: Typical number of weeks to dismiss full-time permanent worker

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 106 Invalid: 252 Minimum: 1 Maximum: 30  
Type: Discrete Decimal: 0 Width: 2 Range: 1 - 30 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-6	Still in progress	0	0%
1	One week or less	55	51.9%
2		12	11.3%
3		7	6.6%
4		17	16%
5		1	0.9%
6		3	2.8%
8		2	1.9%

10		1	0.9%
12		1	0.9%
14		1	0.9%
15		1	0.9%
30		5	4.7%
Sysmiss		252	

### L36: Typical number of weeks paid in severance

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 106    Invalid: 252    Minimum: -9    Maximum: 24  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 24    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	1.9%
0	No severance was paid	45	42.5%
1		8	7.5%
2		11	10.4%
4		24	22.6%
6		2	1.9%
8		7	6.6%
12		3	2.8%
14		3	2.8%
24		1	0.9%
Sysmiss		252	

### L1A: Num. Part-time Employees At End of Last Fiscal Year

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358    Invalid:    Minimum: -9    Maximum: 3115  
 Type: Discrete    Decimal: 0    Width: 4    Range: -9 - 3115    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
0		158	44.1%
1		3	0.8%
2		4	1.1%
3		4	1.1%
4		3	0.8%
5		15	4.2%
6		13	3.6%
7		6	1.7%
8		5	1.4%
9		3	0.8%
10		14	3.9%
11		5	1.4%
12		8	2.2%
14		3	0.8%
15		5	1.4%
16		3	0.8%
17		3	0.8%
18		2	0.6%
19		2	0.6%
20		6	1.7%
21		3	0.8%
22		3	0.8%
23		1	0.3%
25		4	1.1%
26		2	0.6%
27		1	0.3%
28		3	0.8%
29		1	0.3%
30		7	2%
31		2	0.6%
32		2	0.6%
34		1	0.3%
35		2	0.6%
36		1	0.3%
37		1	0.3%
38		2	0.6%
39		2	0.6%

40		2	0.6%
43		1	0.3%
45		3	0.8%
46		1	0.3%
47		1	0.3%
48		2	0.6%
56		2	0.6%
58		3	0.8%
60		4	1.1%
61		1	0.3%
70		1	0.3%
77		1	0.3%
80		1	0.3%
87		1	0.3%
91		1	0.3%
100		1	0.3%
106		1	0.3%
108		1	0.3%
110		1	0.3%
125		1	0.3%
131		1	0.3%
149		1	0.3%
150		1	0.3%
167		1	0.3%
193		1	0.3%
197		1	0.3%
205		1	0.3%
214		1	0.3%
215		1	0.3%
265		2	0.6%
390		1	0.3%
460		2	0.6%
500		2	0.6%
518		1	0.3%
527		1	0.3%
600		1	0.3%
648		1	0.3%
800		1	0.3%
1340		1	0.3%

2005		1	0.3%
3115		1	0.3%

## L6: Num. Full-Time Temporary Employees At End of Last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 2981

Type: Discrete Decimal: 0 Width: 4 Range: -9 - 2981 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
0	No full-time seasonal or temporary workers	217	60.6%
1		10	2.8%
2		13	3.6%
3		12	3.4%
4		10	2.8%
5		15	4.2%
6		5	1.4%
7		2	0.6%
8		8	2.2%
9		1	0.3%
10		7	2%
12		1	0.3%
13		1	0.3%
14		2	0.6%
15		2	0.6%
20		4	1.1%
22		1	0.3%
23		1	0.3%
25		2	0.6%
26		1	0.3%
30		2	0.6%
32		1	0.3%
33		1	0.3%
35		2	0.6%

38		1	0.3%
40		4	1.1%
43		1	0.3%
44		1	0.3%
45		3	0.8%
50		6	1.7%
51		1	0.3%
52		1	0.3%
54		1	0.3%
58		1	0.3%
68		1	0.3%
70		1	0.3%
82		1	0.3%
101		1	0.3%
103		1	0.3%
205		1	0.3%
215		1	0.3%
234		1	0.3%
265		1	0.3%
300		1	0.3%
688		1	0.3%
700		1	0.3%
800		1	0.3%
1905		1	0.3%
2005		1	0.3%
2981		1	0.3%

## L6A: Female Temporary, Full-Time Workers Employed Throughout Last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 140    Invalid: 218    Minimum: 0    Maximum: 1520  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1520    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%

0		27	19.3%
1		17	12.1%
2		14	10%
3		14	10%
4		8	5.7%
5		9	6.4%
6		2	1.4%
7		1	0.7%
8		3	2.1%
9		2	1.4%
10		4	2.9%
11		1	0.7%
12		3	2.1%
14		1	0.7%
15		2	1.4%
18		2	1.4%
20		5	3.6%
22		2	1.4%
25		3	2.1%
30		4	2.9%
36		1	0.7%
40		1	0.7%
41		1	0.7%
65		1	0.7%
81		1	0.7%
93		1	0.7%
100		1	0.7%
102		1	0.7%
153		1	0.7%
200		1	0.7%
400		1	0.7%
402		1	0.7%
580		1	0.7%
752		1	0.7%
1103		1	0.7%
1520		1	0.7%
Sysmiss		218	

**L8: Avg. Length of Employment of All Full-Time Temporary Employees In Last FY****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 140    Invalid: 218    Minimum: -9    Maximum: 12  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 12    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.7%
1	One month or less	14	10%
2		18	12.9%
3		35	25%
4		14	10%
5		16	11.4%
6		24	17.1%
7		4	2.9%
8		5	3.6%
10		1	0.7%
11		1	0.7%
12		7	5%
Sysmiss		218	

**L37: In the last 3 yrs., establishment has been involved in any labor dispute****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: -9    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	0.6%
1	Yes	40	11.2%
2	No	316	88.3%



## L38: Typical number of weeks to resolve labor dispute

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 40   Invalid: 318   Minimum: -7   Maximum: 16  
 Type: Discrete   Decimal: 0   Width: 2   Range: -7 - 16   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	No dispute has been resolved	3	7.5%
1	One month or less	23	57.5%
2		5	12.5%
3		4	10%
4		2	5%
5		1	2.5%
6		1	2.5%
16		1	2.5%
Sysmiss		318	

## L39: Cost to resolve labor dispute

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 37   Invalid: 321   Minimum: 0   Maximum: 11699000  
 Type: Discrete   Decimal: 0   Width: 8   Range: 0 - 11699000   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0		11	29.7%
360		1	2.7%
5000		1	2.7%
30000		1	2.7%
50000		1	2.7%
52000		1	2.7%
60000		2	5.4%

80600		1	2.7%
100000		4	10.8%
120000		1	2.7%
120300		1	2.7%
200000		1	2.7%
300000		3	8.1%
400000		1	2.7%
528490		1	2.7%
600000		1	2.7%
851200		1	2.7%
1506800		1	2.7%
2560000		1	2.7%
2587000		1	2.7%
11699000		1	2.7%
Sysmiss		321	

#### L40: In last FY, was establishment visited by health and safety inspectors

Data file: Rwanda-2023-full-data.dta

##### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 2

Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
1	Yes	149	41.6%
2	No	208	58.1%

#### L41: Was a report issued for health and safety inspection

Data file: Rwanda-2023-full-data.dta

##### Overview

Valid: 149 Invalid: 209 Minimum: -5 Maximum: 2

Type: Discrete Decimal: 0 Width: 2 Range: -5 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-5	No inspection has been concluded	4	2.7%
1	Yes	100	67.1%
2	No	45	30.2%
Sysmiss		209	

### L30A: How Much of An Obstacle: Labor Regulations?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
-7	Does not apply	0	0%
0	No obstacle	223	62.3%
1	Minor obstacle	64	17.9%
2	Moderate obstacle	47	13.1%
3	Major obstacle	21	5.9%
4	Very severe obstacle	3	0.8%

### L30B: How Much of An Obstacle: Inadequately Educated Workforce?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-9	Don't know (spontaneous)	0	0%
-7	Does not apply	0	0%
0	No obstacle	258	72.1%
1	Minor obstacle	47	13.1%
2	Moderate obstacle	33	9.2%
3	Major obstacle	14	3.9%
4	Very severe obstacle	6	1.7%

## M1A: Biggest Obstacle Affecting The Operation of This Establishment

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358    Invalid:    Minimum: -9    Maximum: 15  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 15    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	0.3%
-7	Does not apply	11	3.1%
1	Access to finance	96	26.8%
2	Access to land	49	13.7%
3	Business licensing and permits	12	3.4%
4	Corruption	2	0.6%
5	Courts	1	0.3%
6	Crime, theft and disorder	9	2.5%
7	Customs and trade regulations	13	3.6%
8	Electricity	28	7.8%
9	Inadequately educated workforce	15	4.2%
10	Labor regulations	22	6.1%
11	Political instability	5	1.4%
12	Practices of competitors in the informal sector	32	8.9%
13	Tax administration	7	2%
14	Tax rates	42	11.7%
15	Transport	13	3.6%

**M1A\_FINANCE\_POS: m1a: Position of Access to Finance****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358 Invalid: Minimum: 1 Maximum: 15

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		28	7.8%
2		24	6.7%
3		17	4.7%
4		23	6.4%
5		21	5.9%
6		21	5.9%
7		18	5%
8		21	5.9%
9		19	5.3%
10		20	5.6%
11		26	7.3%
12		38	10.6%
13		27	7.5%
14		27	7.5%
15		28	7.8%

**M1A\_LAND\_POS: m1a: Position of Access to land****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358 Invalid: Minimum: 1 Maximum: 15

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		21	5.9%
2		20	5.6%
3		23	6.4%

4		19	5.3%
5		22	6.1%
6		13	3.6%
7		24	6.7%
8		23	6.4%
9		21	5.9%
10		18	5%
11		39	10.9%
12		40	11.2%
13		29	8.1%
14		29	8.1%
15		17	4.7%

## M1A\_PERMIT\_POS: m1a: Position of Business licensing and permits

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 15

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		23	6.4%
2		30	8.4%
3		17	4.7%
4		19	5.3%
5		24	6.7%
6		20	5.6%
7		22	6.1%
8		25	7%
9		18	5%
10		18	5%
11		28	7.8%
12		28	7.8%
13		33	9.2%
14		29	8.1%
15		24	6.7%

**M1A\_CORRUPTION\_POS: m1a: Position of corruption****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 1    Maximum: 15  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 15    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		23	6.4%
2		18	5%
3		27	7.5%
4		23	6.4%
5		14	3.9%
6		22	6.1%
7		13	3.6%
8		16	4.5%
9		34	9.5%
10		23	6.4%
11		44	12.3%
12		20	5.6%
13		34	9.5%
14		24	6.7%
15		23	6.4%

**M1A\_COURTS\_POS: m1a: Position of Courts****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 1    Maximum: 15  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 15    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		28	7.8%

2		19	5.3%
3		29	8.1%
4		20	5.6%
5		21	5.9%
6		21	5.9%
7		20	5.6%
8		18	5%
9		21	5.9%
10		24	6.7%
11		37	10.3%
12		35	9.8%
13		22	6.1%
14		26	7.3%
15		17	4.7%

## M1A\_CRIME\_POS: m1a: Position of Crime, theft and disorder

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 15

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		29	8.1%
2		18	5%
3		22	6.1%
4		20	5.6%
5		26	7.3%
6		18	5%
7		21	5.9%
8		23	6.4%
9		17	4.7%
10		16	4.5%
11		42	11.7%
12		28	7.8%
13		31	8.7%



14		20	5.6%
15		27	7.5%

## M1A\_TRADE\_POS: m1a: Position of Customs and trade regulations

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 15

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		19	5.3%
2		34	9.5%
3		25	7%
4		24	6.7%
5		20	5.6%
6		17	4.7%
7		18	5%
8		17	4.7%
9		7	2%
10		18	5%
11		43	12%
12		24	6.7%
13		31	8.7%
14		30	8.4%
15		31	8.7%

## M1A\_ELECTRICITY\_POS: m1a: Position of Electricity

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 15

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		14	3.9%
2		28	7.8%
3		20	5.6%
4		25	7%
5		30	8.4%
6		30	8.4%
7		24	6.7%
8		17	4.7%
9		19	5.3%
10		22	6.1%
11		31	8.7%
12		30	8.4%
13		22	6.1%
14		28	7.8%
15		18	5%

## M1A\_WORKFORCE\_POS: m1a: Position of Inadequately educated workforce

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 15

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		14	3.9%
2		17	4.7%
3		19	5.3%
4		28	7.8%
5		12	3.4%
6		26	7.3%
7		24	6.7%
8		26	7.3%
9		22	6.1%
10		24	6.7%
11		34	9.5%

12		35	9.8%
13		36	10.1%
14		23	6.4%
15		18	5%

## M1A\_LABOR\_POS: m1a: Position of Labor regulations

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 15

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		6	1.7%
2		14	3.9%
3		13	3.6%
4		17	4.7%
5		25	7%
6		22	6.1%
7		20	5.6%
8		36	10.1%
9		33	9.2%
10		16	4.5%
11		34	9.5%
12		48	13.4%
13		29	8.1%
14		21	5.9%
15		24	6.7%

## M1A\_INSTABILITY\_POS: m1a: Position of Political instability

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 15

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		27	7.5%
2		13	3.6%
3		21	5.9%
4		21	5.9%
5		20	5.6%
6		22	6.1%
7		23	6.4%
8		27	7.5%
9		23	6.4%
10		24	6.7%
12		32	8.9%
13		29	8.1%
14		42	11.7%
15		34	9.5%

## M1A\_INFORMAL\_POS: m1a: Position of Practices of competitors in the informal sector

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358    Invalid:    Minimum: 1    Maximum: 15  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 15    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		21	5.9%
2		26	7.3%
3		33	9.2%
4		25	7%
5		22	6.1%
6		26	7.3%
7		29	8.1%
8		16	4.5%
9		31	8.7%

10		37	10.3%
13		35	9.8%
14		32	8.9%
15		25	7%

## M1A\_TAXADMIN\_POS: m1a: Position of Tax administration

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		32	8.9%
2		33	9.2%
3		25	7%
4		35	9.8%
5		28	7.8%
6		22	6.1%
7		28	7.8%
8		32	8.9%
9		33	9.2%
10		27	7.5%
14		27	7.5%
15		36	10.1%

## M1A\_TAXRATE\_POS: m1a: Position of Tax rates

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
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1		38	10.6%
2		29	8.1%
3		35	9.8%
4		33	9.2%
5		21	5.9%
6		36	10.1%
7		34	9.5%
8		33	9.2%
9		31	8.7%
10		32	8.9%
15		36	10.1%

## M1A\_TRANSPORT\_POS: m1a: Position of Transport

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 10 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		35	9.8%
2		35	9.8%
3		32	8.9%
4		26	7.3%
5		52	14.5%
6		42	11.7%
7		40	11.2%
8		28	7.8%
9		29	8.1%
10		39	10.9%

## N2A: Total Labor Cost (Incl. Wages, Salaries, Bonuses, Etc) In Last Fiscal Year

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 24000000000  
 Type: Discrete Decimal: 0 Width: 11 Range: -9 - 24000000000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	9	100%

## N2A2: Social security payments and employment-based taxes

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 349 Invalid: 9 Minimum: -9 Maximum: 1200000000  
 Type: Discrete Decimal: 0 Width: 10 Range: -9 - 1200000000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	11	100%
Sysmiss		9	

## N2B: Total Annual Costs of Electricity In Last Fiscal Year

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 1500000000  
 Type: Discrete Decimal: 0 Width: 10 Range: -9 - 1500000000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	3	100%

## N2K: Total Annual Cost of Water

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 500000000  
 Type: Discrete Decimal: 0 Width: 9 Range: -9 - 500000000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	8	100%

## N2L: Total Annual Cost of high-speed, fixed broadband internet

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: -9 Maximum: 230000000  
 Type: Discrete Decimal: 0 Width: 9 Range: -9 - 230000000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	20	100%
-7	Does not apply	0	0%

## N2E: Cost of Raw Materials And Intermediate Goods Used In Prod. In Last Fiscal Year

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 132 Invalid: 226 Minimum: -9 Maximum: 50000000000  
 Type: Discrete Decimal: 0 Width: 11 Range: -9 - 50000000000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	23	17.4%
35000		1	0.8%
40000		1	0.8%
50000		1	0.8%
70000		1	0.8%
75000		1	0.8%
100000		1	0.8%
150000		1	0.8%
420000		2	1.5%



700000		2	1.5%
800000		2	1.5%
810000		1	0.8%
900000		1	0.8%
938000		1	0.8%
1000000		1	0.8%
1500000		2	1.5%
1670000		1	0.8%
1742000		1	0.8%
1800000		1	0.8%
2000000		2	1.5%
2300000		1	0.8%
2500000		2	1.5%
3000000		2	1.5%
4000000		1	0.8%
5000000		2	1.5%
5288000		1	0.8%
5400000		1	0.8%
6000000		1	0.8%
6800000		2	1.5%
7000000		2	1.5%
7200000		2	1.5%
8000000		1	0.8%
8600000		1	0.8%
9000000		1	0.8%
9600000		1	0.8%
10000000		4	3%
12000000		2	1.5%
12500000		1	0.8%
13000000		1	0.8%
15000000		1	0.8%
21000000		1	0.8%
21750000		1	0.8%
23298711		1	0.8%
27510370		1	0.8%
28000000		1	0.8%
28600000		1	0.8%
30000000		1	0.8%
32580000		1	0.8%

56918448		1	0.8%
58620000		1	0.8%
60032000		1	0.8%
62850000		1	0.8%
72000000		1	0.8%
80000000		1	0.8%
82000000		1	0.8%
100000000		1	0.8%
135000000		1	0.8%
137698680		1	0.8%
156000000		1	0.8%
170000000		1	0.8%
198500000		1	0.8%
226154456		1	0.8%
274586953		1	0.8%
318000000		1	0.8%
320000000		1	0.8%
444110740		1	0.8%
502865340		1	0.8%
531000000		1	0.8%
545520786		1	0.8%
600000000		1	0.8%
614000000		1	0.8%
670000000		1	0.8%
721525212		1	0.8%
800000000		1	0.8%
900000000		1	0.8%
938308096		1	0.8%
986500000		1	0.8%
1000000000		1	0.8%
1100000000		2	1.5%
1200000000		1	0.8%
1228750016		1	0.8%
1400000000		1	0.8%
1498352786		1	0.8%
1826431000		1	0.8%
1985600000		1	0.8%
2000000000		1	0.8%
2388475983		1	0.8%

2568000000		1	0.8%
3400000000		1	0.8%
6000000000		1	0.8%
14865319330		1	0.8%
17000000000		1	0.8%
29000000000		1	0.8%
50000000000		1	0.8%
Sysmiss		226	

## N2I: Total Annual Cost of Finished Goods/Materials Bought To Resell In Last FY

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 75    Invalid: 283    Minimum: -9    Maximum: 3852625000  
 Type: Discrete    Decimal: 0    Width: 10    Range: -9 - 3852625000    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	13	17.3%
624000		1	1.3%
1200000		1	1.3%
1600000		1	1.3%
2000000		2	2.7%
2825000		1	1.3%
3500000		2	2.7%
4100000		1	1.3%
4200000		1	1.3%
4500000		1	1.3%
6474000		1	1.3%
7500000		1	1.3%
7800000		1	1.3%
7800500		1	1.3%
9000000		2	2.7%
10000000		1	1.3%
10855000		1	1.3%
12000000		1	1.3%
13000000		1	1.3%

16000000		1	1.3%
16850000		1	1.3%
16983260		1	1.3%
18000000		1	1.3%
18500000		1	1.3%
18560000		1	1.3%
19000000		1	1.3%
20000000		1	1.3%
25000000		1	1.3%
35000000		1	1.3%
50000000		1	1.3%
51200000		1	1.3%
52000000		1	1.3%
56000000		1	1.3%
60000000		1	1.3%
65000000		1	1.3%
66442857		1	1.3%
70000000		1	1.3%
72000000		1	1.3%
82000000		1	1.3%
100000000		1	1.3%
107142857		1	1.3%
115000000		1	1.3%
125000000		1	1.3%
144000000		1	1.3%
150000000		2	2.7%
180000000		1	1.3%
320000000		1	1.3%
365655000		1	1.3%
390173000		1	1.3%
460000000		1	1.3%
489000000		1	1.3%
500000000		1	1.3%
550000000		1	1.3%
680000000		1	1.3%
985900000		1	1.3%
1100000000		1	1.3%
1611175207		1	1.3%
2000000000		1	1.3%

3852625000		1	1.3%
Sysmiss		283	

## N2A1: Total Labor Cost (Incl. Wages, Salaries, Bonuses, Etc) 2 fiscal years ago

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 132    Invalid: 226    Minimum: -9    Maximum: 3000000000  
 Type: Discrete    Decimal: 0    Width: 10    Range: -9 - 3000000000    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	15	11.4%
-7		10	7.6%
350000		1	0.8%
360000		1	0.8%
500000		2	1.5%
650000		1	0.8%
700000		1	0.8%
800000		1	0.8%
1000000		4	3%
1045000		1	0.8%
1200000		2	1.5%
1267673		1	0.8%
1421913		1	0.8%
1500000		1	0.8%
1750000		1	0.8%
1800000		1	0.8%
2000000		1	0.8%
2231250		1	0.8%
2300000		1	0.8%
2500000		4	3%
2800000		1	0.8%
3100000		2	1.5%
3200000		1	0.8%
3300000		1	0.8%
3400000		1	0.8%

4000000		2	1.5%
4580000		1	0.8%
4930000		1	0.8%
5479921		1	0.8%
5500000		1	0.8%
5863000		2	1.5%
6600000		1	0.8%
6800000		2	1.5%
7000000		1	0.8%
8000000		1	0.8%
8600000		1	0.8%
10000000		1	0.8%
10380000		1	0.8%
11823760		1	0.8%
12300000		1	0.8%
12500000		1	0.8%
12736864		1	0.8%
12800000		1	0.8%
14000000		1	0.8%
16000000		2	1.5%
20000000		1	0.8%
20800700		1	0.8%
22500000		1	0.8%
24000000		2	1.5%
24059600		1	0.8%
27000000		1	0.8%
27500000		1	0.8%
27845350		1	0.8%
27972525		1	0.8%
29000000		1	0.8%
29965000		1	0.8%
30950000		1	0.8%
32000000		1	0.8%
34560000		1	0.8%
35465350		1	0.8%
36100000		1	0.8%
37626890		1	0.8%
49067223		1	0.8%
49089000		1	0.8%

56985000		1	0.8%
64444241		1	0.8%
65340000		1	0.8%
70000000		1	0.8%
76000000		1	0.8%
80000000		1	0.8%
83998686		1	0.8%
86253400		1	0.8%
92360510		1	0.8%
96000000		1	0.8%
97842619		1	0.8%
118000000		1	0.8%
119000000		1	0.8%
146134724		1	0.8%
148000000		1	0.8%
154623200		1	0.8%
168000000		1	0.8%
175000000		1	0.8%
178560000		1	0.8%
220597931		1	0.8%
227771708		1	0.8%
252688545		1	0.8%
269916568		1	0.8%
285257235		1	0.8%
359920467		1	0.8%
401520056		1	0.8%
500000000		1	0.8%
750000000		1	0.8%
825364872		1	0.8%
1500000000		1	0.8%
3000000000		1	0.8%
Sysmiss		226	

## N2E1: Total Cost of Raw Materials And Intermediate Goods Used In Production

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 132    Invalid: 226    Minimum: -9    Maximum: 3000000000  
 Type: Discrete    Decimal: 0    Width: 10    Range: -9 - 3000000000    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	23	17.4%
-7	Does not apply	9	6.8%
0		2	1.5%
30000		1	0.8%
35000		1	0.8%
40000		1	0.8%
130000		1	0.8%
250000		1	0.8%
423000		1	0.8%
500000		2	1.5%
700000		2	1.5%
842000		1	0.8%
1200000		3	2.3%
1500000		1	0.8%
1647000		1	0.8%
2000000		3	2.3%
2100000		1	0.8%
2500000		2	1.5%
3000000		3	2.3%
3600000		1	0.8%
3800000		1	0.8%
4000000		2	1.5%
4200000		1	0.8%
5000000		2	1.5%
6000000		2	1.5%
6285000		1	0.8%
6458600		1	0.8%
6800000		1	0.8%
6900000		1	0.8%
7000000		3	2.3%
8000000		1	0.8%
9800000		1	0.8%
10005000		1	0.8%
10912580		1	0.8%
11600000		1	0.8%



12000000		1	0.8%
12700000		1	0.8%
14012000		1	0.8%
15000000		1	0.8%
18752000		1	0.8%
19000000		1	0.8%
23200000		1	0.8%
24000000		1	0.8%
28000000		1	0.8%
28005128		1	0.8%
28720000		1	0.8%
31875000		1	0.8%
35000000		1	0.8%
44287820		1	0.8%
46230000		1	0.8%
50975362		1	0.8%
51200000		1	0.8%
56918448		1	0.8%
57800000		1	0.8%
68000000		1	0.8%
76000000		1	0.8%
78000000		1	0.8%
89000000		1	0.8%
116000000		1	0.8%
123500000		1	0.8%
125589750		1	0.8%
170000000		1	0.8%
183700000		1	0.8%
350600000		1	0.8%
380000000		2	1.5%
454000400		1	0.8%
474310905		1	0.8%
509090795		1	0.8%
516622886		1	0.8%
540852434		1	0.8%
598240150		1	0.8%
600000000		1	0.8%
780000000		1	0.8%
800000000		2	1.5%

850000000		1	0.8%
890000000		1	0.8%
934856000		1	0.8%
953996216		1	0.8%
985632410		1	0.8%
1139500485		1	0.8%
1200000000		1	0.8%
1523458691		1	0.8%
1852387000		1	0.8%
1900000000		1	0.8%
3000000000		1	0.8%
Sysmiss		226	

## N7A: Cost For Establishment To Re-Purchase All of Its Machinery

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 132    Invalid: 226    Minimum: -9    Maximum: 200000000000  
 Type: Discrete    Decimal: 0    Width: 12    Range: -9 - 200000000000    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	22	16.7%
300000		1	0.8%
400000		1	0.8%
500000		1	0.8%
1500000		1	0.8%
2000000		2	1.5%
2500000		1	0.8%
4300000		2	1.5%
5000000		1	0.8%
5800000		1	0.8%
6000000		1	0.8%
8000000		1	0.8%
10000000		2	1.5%
15000000		1	0.8%
20000000		3	2.3%

24500000		1	0.8%
25000000		1	0.8%
30000000		1	0.8%
35000000		2	1.5%
37575000		1	0.8%
45000000		1	0.8%
50000000		5	3.8%
51000000		1	0.8%
52500000		1	0.8%
55000000		1	0.8%
58000000		2	1.5%
65000000		1	0.8%
80000000		5	3.8%
82000000		1	0.8%
85000000		1	0.8%
90000000		1	0.8%
100000000		1	0.8%
110000000		1	0.8%
120000000		2	1.5%
150000000		3	2.3%
200000000		3	2.3%
205846500		1	0.8%
250000000		1	0.8%
280000928		1	0.8%
300000000		4	3%
300500000		1	0.8%
320000000		1	0.8%
450000000		1	0.8%
500000000		4	3%
589652000		1	0.8%
592363000		1	0.8%
600000000		1	0.8%
690000000		1	0.8%
763000000		1	0.8%
800000000		1	0.8%
816000000		1	0.8%
842600000		1	0.8%
897569745		1	0.8%
900000000		1	0.8%

950000000		1	0.8%
1000000000		1	0.8%
1200000000		1	0.8%
1300000000		1	0.8%
1356879500		1	0.8%
1500000000		3	2.3%
1595410520		1	0.8%
1691144650		1	0.8%
2000000000		6	4.5%
2068400000		1	0.8%
2100000000		1	0.8%
3000000000		2	1.5%
3532000000		1	0.8%
4405234838		1	0.8%
6538032000		1	0.8%
7000000000		1	0.8%
8000000000		1	0.8%
10000000000		1	0.8%
12500000000		1	0.8%
16500000000		1	0.8%
53000000000		1	0.8%
102000000000		1	0.8%
200000000000		1	0.8%
Sysmiss		226	

## N11: Effective income-based tax rate

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358   Invalid:   Minimum: -9   Maximum: 52  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 52   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	17	4.7%
-8	Refusal (spontaneous)	3	0.8%
0		13	3.6%

1		45	12.6%
2		4	1.1%
3		65	18.2%
4		1	0.3%
5		4	1.1%
6		6	1.7%
7		2	0.6%
8		6	1.7%
9		2	0.6%
10		6	1.7%
12		4	1.1%
13		3	0.8%
15		6	1.7%
16		2	0.6%
17		3	0.8%
18		31	8.7%
20		14	3.9%
21		7	2%
23		2	0.6%
25		6	1.7%
26		1	0.3%
27		2	0.6%
30		49	13.7%
33		1	0.3%
34		1	0.3%
35		6	1.7%
36		1	0.3%
38		2	0.6%
40		7	2%
45		3	0.8%
46		1	0.3%
48		13	3.6%
49		1	0.3%
50		17	4.7%
52		1	0.3%

## N12: Effective consumption tax rate

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358    Invalid:    Minimum: -9    Maximum: 45  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 45    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	28	7.8%
-8	Refusal (spontaneous)	2	0.6%
0		23	6.4%
1		29	8.1%
2		13	3.6%
3		59	16.5%
4		7	2%
5		14	3.9%
6		4	1.1%
7		8	2.2%
8		12	3.4%
9		3	0.8%
10		28	7.8%
11		9	2.5%
12		10	2.8%
15		15	4.2%
17		2	0.6%
18		71	19.8%
20		7	2%
21		1	0.3%
25		1	0.3%
30		2	0.6%
38		2	0.6%
40		6	1.7%
45		2	0.6%

## A15D: Day

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358    Invalid:    Minimum: 1    Maximum: 31  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 31    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		7	2%
2		2	0.6%
3		2	0.6%
4		11	3.1%
5		17	4.7%
6		21	5.9%
7		19	5.3%
8		9	2.5%
9		10	2.8%
10		10	2.8%
11		11	3.1%
12		16	4.5%
13		12	3.4%
14		11	3.1%
15		7	2%
16		11	3.1%
17		16	4.5%
18		15	4.2%
19		16	4.5%
20		15	4.2%
21		9	2.5%
22		19	5.3%
23		10	2.8%
24		10	2.8%
25		9	2.5%
26		5	1.4%
27		6	1.7%
28		6	1.7%
29		12	3.4%
30		17	4.7%
31		17	4.7%

### A15M: Month

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 9  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		42	11.7%
2		25	7%
5		19	5.3%
6		104	29.1%
7		41	11.5%
8		70	19.6%
9		57	15.9%

## A15Y: Year

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: 2023 Maximum: 2024  
 Type: Discrete Decimal: 0 Width: 4 Range: 2023 - 2024 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
2023		291	81.3%
2024		67	18.7%

## A15H: Hour

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: 7 Maximum: 23  
 Type: Discrete Decimal: 0 Width: 2 Range: 7 - 23 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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7		1	0.3%
8		1	0.3%
9		3	0.8%
10		16	4.5%
11		25	7%
12		59	16.5%
13		43	12%
14		42	11.7%
15		34	9.5%
16		57	15.9%
17		34	9.5%
18		23	6.4%
19		10	2.8%
20		6	1.7%
21		1	0.3%
22		2	0.6%
23		1	0.3%

## A15MIN: Minutes

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 59

Type: Continuous Decimal: 0 Width: 2 Range: 0 - 59 Format: Numeric

## A16: Perception of The Questions Regarding Opinions And Perceptions

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Truthful	232	64.8%
2	Somewhat truthful	126	35.2%
3	Not truthful	0	0%

**A17: Responses To The Questions About Figures Areâ€¦****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 1    Maximum: 4  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 4    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Are taken directly from establishment records	143	39.9%
2	Are estimates computed with some precision	54	15.1%
3	Are arbitrary and unreliable numbers	2	0.6%
4	Are in some case taken from books and in some case estimates	159	44.4%

**A18: This Questionnaire Was Completed In:****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 358    Invalid:    Minimum: 1    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	One visit in face-to-face interview with one person	302	84.4%
2	One visit in face-to-face interview with different managers/staff	47	13.1%
3	Several visits	9	2.5%

**A19H: If Option 2 or 3 In A.18, Estimate Duration Of The Whole Interview: Hours****Data file: Rwanda-2023-full-data.dta****Overview**

Valid: 56    Invalid: 302    Minimum: 1    Maximum: 4  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 4    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		13	23.2%
2		31	55.4%
3		11	19.6%
4		1	1.8%
Sysmiss		302	

### A19M: If Option 2 or 3 In A.18, Estimate Duration of The Whole Interview: Minutes

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 56   Invalid: 302   Minimum: 0   Maximum: 59  
 Type: Discrete   Decimal: 0   Width: 2   Range: 0 - 59   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		5	8.9%
1		2	3.6%
3		3	5.4%
5		1	1.8%
7		1	1.8%
8		1	1.8%
10		7	12.5%
15		5	8.9%
17		1	1.8%
18		1	1.8%
19		1	1.8%
20		3	5.4%
25		1	1.8%
27		1	1.8%
30		8	14.3%
38		1	1.8%
43		1	1.8%
45		2	3.6%

48		1	1.8%
50		1	1.8%
51		1	1.8%
52		1	1.8%
54		1	1.8%
55		2	3.6%
56		1	1.8%
57		1	1.8%
58		1	1.8%
59		1	1.8%
Sysmiss		302	

### A13: Supervisor Number

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1		93	26%
2		198	55.3%
3		67	18.7%

### A3B: official Capital City?

Data file: Rwanda-2023-full-data.dta

#### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Yes	130	36.3%
2	No	228	63.7%

**A3C: Main Business City?****Data file:** Rwanda-2023-full-data.dta**Overview**

Valid: 358    Invalid:    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	148	41.3%
2	No	210	58.7%

**A3: Size of Locality****Data file:** Rwanda-2023-full-data.dta**Overview**

Valid: 358    Invalid:    Minimum: 2    Maximum: 4  
 Type: Discrete    Decimal: 0    Width: 1    Range: 2 - 4    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
2	City with population over 1 million	117	32.7%
3	Over 250.000 to 1 million	215	60.1%
4	50.000 to 250.000	26	7.3%
5	Less than 50.000	0	0%

**D1A2\_V4: Main Product/Service ISIC (Rev. 4) Code****Data file:** Rwanda-2023-full-data.dta**Overview**

Valid: 358    Invalid:    Minimum: 1010    Maximum: 7110  
 Type: Continuous    Decimal: 0    Width: 4    Range: 1010 - 7110    Format: Numeric

**STRATIFICATIONREGIONCODE: stratification region code****Data file:** Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Kigali	124	34.6%
2	Western and Northern	116	32.4%
3	Southern and Eastern	118	33%

## STRATIFICATIONSIZECODE: stratification size code

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Small (5-19)	171	47.8%
2	Medium (20-99)	120	33.5%
3	Large (100 or more)	57	15.9%
4	Medium and Large (20+)	10	2.8%

## STRATIFICATIONSECTORCODE: stratification sector code

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Manufacturing	120	33.5%
2	Retail	100	27.9%

3	Other Services	138	38.5%
---	----------------	-----	-------

## STRATIFICATIONPANELCODE: panel code

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 0 Maximum: 1  
Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	Fresh	243	67.9%
1	Panel	115	32.1%

## WSTRICT: Weight according to strict eligibility

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 27.4365501403809  
Type: Continuous Decimal: 2 Width: 5 Range: 1 - 27.4365501403809 Format: Numeric

## WMEDIAN: Weight according to median eligibility

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 28.1431407928467  
Type: Continuous Decimal: 2 Width: 5 Range: 1 - 28.1431407928467 Format: Numeric

## WWEAK: Weight according to weak eligibility

Data file: Rwanda-2023-full-data.dta

### Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 32.5449867248535  
Type: Continuous Decimal: 2 Width: 5 Range: 1 - 32.5449867248535 Format: Numeric

## STRATA: see notes

Data file: Rwanda-2023-full-data.dta

## Overview

Valid: 358 Invalid: Minimum: 1 Maximum: 48

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 48 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		9	2.5%
2		1	0.3%
3		17	4.7%
4		3	0.8%
5		27	7.5%
6		2	0.6%
7		5	1.4%
8		2	0.6%
9		6	1.7%
10		4	1.1%
11		9	2.5%
12		1	0.3%
13		4	1.1%
14		9	2.5%
15		1	0.3%
16		4	1.1%
17		7	2%
18		13	3.6%
19		11	3.1%
20		2	0.6%
21		11	3.1%
22		10	2.8%
23		15	4.2%
24		3	0.8%
25		18	5%
26		6	1.7%
27		4	1.1%
28		12	3.4%
29		12	3.4%
30		9	2.5%
31		1	0.3%
32		1	0.3%



33		1	0.3%
34		11	3.1%
35		2	0.6%
36		10	2.8%
37		19	5.3%
38		17	4.7%
39		1	0.3%
40		18	5%
41		6	1.7%
42		7	2%
43		10	2.8%
44		5	1.4%
45		1	0.3%
46		1	0.3%
47		8	2.2%
48		2	0.6%

**B1\_RWA:****Data file:** Rwanda-2023-full-data.dta**Overview**

Valid: 358   Invalid:   Minimum: -9   Maximum: 5

Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 5   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	1	1	0.3%
1	2	2	0.6%
2	3	45	12.6%
3	4	230	64.2%
4	5	62	17.3%
5	6	18	5%
6	7	0	0%

# study\_resources

## questionnaires

### Rwanda World Bank Enterprise Survey 2023, Questionnaire

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title Rwanda World Bank Enterprise Survey 2023, Questionnaire  
authors The World Bank Group  
country Rwanda  
language English  
filename ES\_BEE\_Questionnaire\_Rwanda\_2023.pdf

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## technical\_documents

### The Rwanda 2023 World Bank Enterprise Survey, Implementation Report

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title The Rwanda 2023 World Bank Enterprise Survey, Implementation Report  
authors The World Bank Group  
country Rwanda  
language English  
filename Rwanda\_2023\_ES\_Implementation\_Report.pdf

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