

# World Bank Enterprise Survey 2023

**World Bank Group (WBG)**

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## Identification

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SURVEY ID NUMBER  
GHA\_2023\_WBES\_v01\_M

TITLE  
World Bank Enterprise Survey 2023

ABBREVIATION OR ACRONYM  
WBES 2023

COUNTRY/ECONOMY

Name	Country code
Ghana	GHA

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

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### NOTES

The 2023 Ghana 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

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### 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 Ghana, registration was from Registrar General's Department.

## Producers and sponsors

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### PRIMARY INVESTIGATORS

Name
World Bank Group (WBG)

### FUNDING AGENCY/SPONSOR

Name	Abbreviation
World Bank Group	WBG

## Sampling

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### 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 Ghana 2023 World Bank Enterprise Survey Implementation Report" for

detailed methodology on sampling.

#### RESPONSE RATE

Overall survey response rate was 24.8%.

#### 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 Ghana 2023 World Bank Enterprise Survey Implementation Report".

## Data collection

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#### DATES OF DATA COLLECTION

Start	End
2023-02	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 Ghana 2023 WBES were conducted between February 2023 and February 2024.

The fieldwork for the Ghana 2023 WBES was implemented by Muthengo Development Solutions (MDS) and its sub-contractor Esoko Limited.

## questionnaires

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#### 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 Ghana 2023 WBES included additional questions tailored for the Business Ready Report covering infrastructure, trade, government regulations, finance, labor, and other topics.

## Access policy

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#### CONTACTS

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Enterprise Analysis Unit	World Bank Group	<a href="mailto:enterprisesurveys@worldbank.org">enterprisesurveys@worldbank.org</a>

#### CITATION REQUIREMENTS

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### DISCLAIMER

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## Metadata production

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DDI DOCUMENT ID

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PRODUCERS

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

DATE OF METADATA PRODUCTION

2025-01-14

DDI DOCUMENT VERSION

Version 01 (January 2025)

**data\_dictionary**

Data file	Cases	variables
<b>Ghana-2023-full-data.dta</b> Ghana 2023 World Bank Enterprise Survey full data	713	355



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

Ghana 2023 World Bank Enterprise Survey full data

Cases: 713

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	a1a	Language of The Interview	
V17	panel	Panel Code	
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	b1_GH	Legal Status of the Firm (Ghana)	
V35	b1x	Other (Specify)	
V36	b3a	Is the largest owner also the top manager	
V37	b2a	% Owned By Private Domestic Individuals, Companies or organizations	
V38	b2b	% Owned By Private Foreign Individuals, Companies or organizations	

ID	Name	Label	Question
V39	b2c	% Owned By Government/State	
V40	b2d	% Owned By Other	
V41	b4	Amongst The Owners of The Firm, Are There Any Females?	
V42	b4a	% of The Firm Owned By Females	
V43	b5	Year Establishment Began Operations	
V44	b6	Number of Full-Time Employees of The Establishment When It Started Operations	
V45	b6b	In What Year Was This Establishment Formally Registered?	
V46	b7	How Many Years of Experience Working In This Sector Does The Top Manager Have?	
V47	b7a	Is The Top Manager Female?	
V48	b8	Does Establishment Have An Internationally-Recognized Quality Certification?	
V49	b8x	Specify The Internationally-Recognized Quality Certifications	
V50	c3	Application To Obtain An Electrical Connection Submitted Over The Last 2 Years	
V51	c4	How Many Days Did It Take For You To Receive An Electrical Connection Service?	
V52	c5	Informal Gift/Payment Expected or Requested For An Electrical Connection?	
V53	c31	Cost to obtain electrical connection	
V54	c32	Electricity consumption in a typical month (kWh)	
V55	c6	Over Last FY, Did This Establishment Experience Power Outages?	
V56	c7	Number of Power Outages Experienced In A Typical Month In Last Fiscal Year	
V57	c8a	Average Duration of Power Outages: Hours	
V58	c8b	Average Duration of Power Outages: Minutes	
V59	c9a	In Last FY, Losses As % of Annual Sales Due To Power Outages	
V60	c9b	In Last FY, Value of Losses Due To Power Outages	
V61	c10	Generator Shared or Owned Over The Course of Last Fiscal Year?	
V62	c11	% Electricity From Generator Owned/Shared By The Establishment In Last FY	
V63	c12	Application To Obtain A Water Connection Submitted Over The Last 2 Years	
V64	c13	How Many Days Did It Take For You To Obtain A Water Connection?	
V65	c14	When You Applied For A Water Connection, Was An Informal Gift/Payment Requested?	
V66	c33	Cost to obtain water connection	
V67	c34	Water consumption in a typical month	
V68	c34b	Unit measure of answer to c34	
V69	c34bx	Other (Specify)	
V70	c152	Did You Experience Insufficient Water Supply In Last FY?	
V71	c162	Frequency of Incidents of Water Shortages In A Typical Month In Last FY	
V72	c172	Average Length of Water Shortages In Last Fiscal Year	
V73	c35a	In Last FY, Losses As % of Annual Sales Due To Water Shortages	
V74	c35b	In Last FY, Value of Losses Due To Water Shortages	
V75	c22b	Establishment Has Its Own Website	
V76	c36	Application To Obtain Fixed Broadband Internet Connection Over The Last 2 Years	
V77	c37	How Many Days Did It Take For You To Obtain Internet Connection?	
V78	c38	Cost to obtain Internet connection	
V79	c39	Did You Experience Internet Disruptions In Last FY?	
V80	c40a	Average Length of Internet Disruptions: Hours	
V81	c40b	Average Length of Internet Disruptions: Minutes	
V82	c41a	In Last FY, Losses As % of Annual Sales Due To Internet Disruptions	

ID	Name	Label	Question
V83	c41b	In Last FY, Value of Losses Due To Internet Disruptions	
V84	c42	How difficult to switch internet providers?	
V85	c30a	How Much of An Obstacle: Electricity To Operations of This Establishment?	
V86	d1a1a	Establishment'S Main Product/Service Last FY	
V87	d1a6a	Total number of hotel rooms in the last FY	
V88	d1a6b	Total areas of rooms in the last FY	
V89	d1a6c	Specify units	
V90	d1a6cx	Other (Specify)	
V91	d1a3	Main Product/Service: Percent of Total Annual Sales	
V92	d2	In Last Fiscal Year, What Were This Establishmentâ€™ S Total Annual Sales?	
V93	d2x	Please Also Write Out The Number	
V94	d2a1	What were the establishment's sales 2 years ago?	
V95	d2a1x	Please Also Write Out The Number	
V96	n3	What were the establishment's sales 3 years ago?	
V97	n3x	Please Also Write Out The Number	
V98	d3a	% of Sales: National Sales	
V99	d3b	% of Sales: Indirect Exports	
V100	d3c	% of Sales: Direct Exports	
V101	d31x	Main destination of exports (country code)	
V102	d32	Main point of exit	
V103	d4a	In Last FY, Avg. Num. of Days For Exported Goods To Clear Customs?	
V104	d4b	If less than a day, total hours for exported goods to clear customs	
V105	d33a	In Last FY, Avg. Num. of Days For Exported Goods To Clear all border control age	
V106	d33b	If less than a day, total hours for exported goods to clear all border control a	
V107	d34	FCA costs to comply with all export requirements (% of value of goods exported)	
V108	d35	Any exports shipped by main parcel?	
V109	d36a	In Last FY, Avg. Num. of Days For Exported Goods To Clear all border control age	
V110	d36b	If less than a day, total hours for exported goods to clear all border control a	
V111	d37	Average cost of digital exports (% of value of goods)	
V112	d8	In What Year Did This Establishment First Export Directly or Indirectly?	
V113	d12a	% of Material Inputs And Supplies of Domestic origin In Last Fiscal Year	
V114	d12b	% of Material Inputs And Supplies of Foreign origin In Last Fiscal Year	
V115	d13	Were Any of These Material Inputs And Supplies Imported Directly?	
V116	d38x	Main origin of imports (country code)	
V117	d39	Main point of entry	
V118	d14a	Avg. Num. of Days For Imported Goods To Clear Customs In Last Fiscal Year	
V119	d14b	If less than a day, total hours for imported goods to clear customs	
V120	d40a	In Last FY, Avg. Num. of Days For Imported Goods To Clear all border control age	
V121	d40b	If less than a day, total hours for imported goods to clear all border control a	
V122	d41	DAP costs to comply with all import requirements (% of value of goods imported)	
V123	d30a	How Much of An Obstacle: Transport?	
V124	d30b	How Much of An Obstacle: Customs And Trade Regulations?	
V125	o1	In the last three years, establishment had any commercial dispute?	
V126	o2	Use of courts, arbitration etc. to (or attempt to ) resolve commercial dispute?	
V127	o3a	Reliable alternative to courts for resolving commercial disputes: Arbitration?	

ID	Name	Label	Question
V128	o3b	Reliable alternative to courts for resolving commercial disputes:Mediation etc.?	
V129	r1	What Happened When Problem In The Production Process/Services Provision Arose?	
V130	r2	Did This Establishment Monitor Any Production/Service Performance Indicators?	
V131	r3	How Many Production/Service Provision Performance Indicators Were Monitored?	
V132	r4	Did This Establishment Have Production/Service Provision Targets?	
V133	r5	What Best Describes The Time Frame of Production/Service Provision Targets?	
V134	r6	How Easy To Achieve Its Production/Service Provision Targets?	
V135	r7	Who Was Aware of The Production/Service Provision Targets At This Establishment?	
V136	r8	Was There Performance Bonuses Based On Production/Service Provision Targets?	
V137	r9	What Were Managers' Performance Bonuses Usually Based On?	
V138	r10	What Was The Primary Way Non-Managers Were Promoted?	
V139	r11	When Was An Under-Performing Non-Manager Reassigned or Dismissed?	
V140	e1	In Last FY, Main Market For Establishment'S Main Product	
V141	e2b	Competitors For The Main Product/Service In The Main Market	
V142	e31a	Market share of largest competitor in the last fiscal year	
V143	e31b	Market share of largest competitor in the last fiscal year	
V144	e6	Do You Use Technology Licensed From A Foreign-Owned Company?	
V145	e11	Does This Establishment Compete Against Unregistered or Informal Firms?	
V146	e32	Change in competition in the last year?	
V147	e33	Establishment can increase prices more than competitors without losing customers	
V148	e34	SOEs operating in the establishment's main market?	
V149	e35	How SOE affects ability to grow and expand?	
V150	e30	How Much of An Obstacle: Practices of Competitors In Informal Sector?	
V151	h1	New Products/Services Introduced Over Last 3 Yrs	
V152	h2	New Products/Services Also New For Thr Establishment'S Main Market	
V153	h3x	Describe In Detail The Main New or Significantly Improved Product or Service	
V154	h4x	Describe How The Main New/Significantly Improved Product or Service Is Different	
V155	h5	During Last 3 Yrs, Establishment Introduced New/Significantly Improved Process	
V156	h6x	Describe Main New/Significantly Improved Process This Establishment Introduced	
V157	h7x	How The Main New/Significantly Improved Process Is Different	
V158	h8	During Last Fiscal Year, Establishment Spent On R&D (Excl Market Research)?	
V159	h9	How Much Spent On R&D, Either In-House or External?	
V160	f1	In Last FY, What Was The Capacity Utilization (%) of This Establishment?	
V161	g2	Applic. To Obtain A Construction-Related Permit Submitted Over The Last 2 Years	
V162	g3	How Many Days Did It Take For You To Obtain A Construction-Related Permit?	
V163	g4	Informal Gift/Payment Expected or Requested For A Construction-Related Permit	
V164	g31	In last 2 years, establishment applied for occupancy permit	
V165	g32	Wait for occupancy permit	
V166	g33	Cost of occupancy permit	
V167	g5a	What Is The Total Selling Area In This Establishment?	
V168	g5b	The Area Is Measured In:	
V169	g5bx	Specify Other Units (If Not Included Above) The Area Is Measured In	
V170	g30a	How Much of An Obstacle: Access To Land?	

ID	Name	Label	Question
V171	ge3	Experience damage of physical assets due to extreme weather events?	
V172	ge3a	Monetary damage of physical assets?	
V173	ge7	Over the last 3 years, establishment monitor its CO2 emissions?	
V174	ge8d	Over last 3 years, establishment adopt energy management measures?	
V175	k3a	% of Working Capital Financed From Internal Funds/Retained Earnings	
V176	k3bc	% of Working Capital Borrowed From Banks	
V177	k3e	% of Working Capital Borrowed From Non-Bank Financial Institutions	
V178	k3f	% of Working Capital Purchased On Credit/Advances From Suppliers /Customers	
V179	k3hd	% of Working Capital Financed By Other (Money Lenders, Friends, Relatives, Etc)	
V180	k4	Did This Establishment Purchase Any Fixed Assets In Last FY?	
V181	n5a	Total Annual Expenditure For Purchases of Equipment In Last FY	
V182	n5b	Total Annual Expenditure For Purchases of Land And Buildings In Last FY	
V183	k5a	Last FY, % Fixed Assets Funded By: Internal Funds/Retained Earnings	
V184	k5a1	Fixed Assets - Value Internal Funds or Retained Earnings	
V185	k5i	Last FY, % Fixed Assets Funded By: Ownersâ€™ Contributions or Issued New Equity	
V186	k5i1	Fixed Assets - Value Ownersâ€™ Contribution or Issued New Equity Shares	
V187	k5bc	Last FY, % Fixed Assets Funded By: Bank Borrowing	
V188	k5bc1	Fixed Assets - Value Borrowed From Banks	
V189	k5e	Last FY, % Fixed Assets Funded By: Non-Bank Financial Institutions	
V190	k5e1	Fixed Assets - Value Borrowed From Non-Bank Financial Institutions	
V191	k5f	Last FY, % Fixed Assets Funded By: Credit From Suppliers/Advances From Customers	
V192	k5f1	Fixed Assets - Value Purchases On Credit From Suppliers, Advances From Customers	
V193	k5hdj	Last FY, % Fixed Assets Funded By: Other (Money Lenders\Friends\Relatives\Etc)	
V194	k5hdj1	Fixed Assets - Value Other	
V195	k4b	Purchase Any New/Used Fixed Assets?	
V196	n5c	Total Annual Expenditure For Purchases of Equipment In Year Prior To Last FY	
V197	n5d	Total Annual Expenditure On Land And Buildings In Year Prior To Last FY	
V198	k6	Does This Establishment Have A Checking And\or Saving Account?	
V199	k7	At This Time, Does This Establishment Have An Overdraft Facility?	
V200	k82	Establishment Has A Line of Credit or Loan From A Financial Institution?	
V201	k9	Type of Financial Institution That Granted The Line of Credit or Loan	
V202	k10	Year When The Most Recent Loan/Line of Credit Approved	
V203	k11	For The Most Recent Loan, What Was The Value At The Time of Approval?	
V204	k13	Financing Required For The Most Recent Line of Credit or Loan	
V205	k14a	Type of Collateral Required For The Most Recent Loan? Land, Buildings	
V206	k14b	Type of Collateral Required For The Most Recent Loan? Equipment	
V207	k14c	Type of Collateral Required For The Most Recent Loan? Accounts	
V208	k14d	Type of Collateral Required For The Most Recent Loan? Personal Assets	
V209	k14e	Type of Collateral Required For The Most Recent Loan? Other	
V210	k15a	Value of Collateral Required For The Most Recent Credit/Loan	
V211	k15b	Total Number of Open Lines of Credit and Outstanding Loans	
V212	k15c	Total Outstanding Balance of All Open Lines of Credit and Loans (LCU)	
V213	k15d	Outstanding Personal Loans Used To Finance Establishment'S Business Activities?	

ID	Name	Label	Question
V214	k162	In Last FY, Did Establishment Apply For New Loans/Lines of Credit?	
V215	k17	Main Reason For Not Applying For New Loans or New Lines of Credit	
V216	k20a1	What Was The Outcome of That Most Recent Application For Loan/Line of Credit?	
V217	k31	Total cost to apply for most recent loan	
V218	k32	Days to receive a decision about most recent loan application	
V219	k21	Financial Statements Checked & Certified By External Auditor In Last FY?	
V220	k33	Percentage of payments received using e-payments	
V221	k34	Main type of e-payment accepted	
V222	k35	Avg. days to receive main type of e-payment	
V223	k36	Cost per transaction (% of transaction) to receive main type of e-payment	
V224	k37	Monthly fees and subscription costs to receive main type of e-payment	
V225	k38	Percentage of payments made using e-payments	
V226	k39	Main type of e-payment used to make payments	
V227	k40	Cost per transaction (% of transaction) to make main type of e-payment	
V228	k30	How Much of An Obstacle: Access To Finance	
V229	j31	In resolving commercial disputes, courts are independent and impartial	
V230	j2	What % of Senior Management Time Was Spent In Dealing With Govt Regulations?	
V231	j3	Over The Last 12 Months, Was This Establishment Inspected By Tax officials?	
V232	j4	Frequency of Inspections/Requirement For Meeting By Tax officials	
V233	j5	In Any of These Inspections Was A Gift/Informal Payment Requested ?	
V234	j32	Did any of these visits or meetings consist of a tax audit?	
V235	j33	Weeks until final audit report was received	
V236	j34	Establishment outsourced some tax-related activities in the last FY	
V237	j35a	Total annual time spent on tax compliance (hours)	
V238	j35b	Average monthly time spent on tax compliance (hours)	
V239	j36	In last FY, did establishment file taxes electronically	
V240	j37	In last FY, did establishment pay taxes electronically	
V241	j38	In the last 3 yrs., establishment has applied for a VAT refund	
V242	j39	Weeks to receive VAT refund	
V243	j40	Main reason for not applying for a VAT tax refund	
V244	j6a	Government Contract Secured (or Attempted) In The Last 12 Months?	
V245	j41	Degree of difficulty to comply with govt contract tender requirements	
V246	j42	Establishment has held a govt contract in last 3 yrs?	
V247	j43	Typical number of days to receive payment under govt contract	
V248	j7a	Percent of Total Annual Sales Paid In Informal Payments	
V249	j7b	Total Annual Informal Payment	
V250	j10	Application To Obtain An Import License Submitted Over The Last 2 Years?	
V251	j11	How Many Days Did It Take To Obtain Your Import License?	
V252	j12	When You Applied For An Import License, Was An Informal Gift/Payment Requested?	
V253	j13	Application To Obtain An Operating License Submitted Over Last 2 Years?	
V254	j14	How Many Days Did It Take To Obtain Your Operating License?	
V255	j15	When You Applied For Operating License Was An Informal Gift/Payment Requested?	
V256	j30a	How Much of An Obstacle: Tax Rates	

ID	Name	Label	Question
V257	j30b	How Much of An Obstacle: Tax Administrations	
V258	j30c	How Much of An Obstacle: Business Licensing And Permits	
V259	j30e	How Much of An Obstacle: Political Instability	
V260	j30f	How Much of An Obstacle: Corruption	
V261	h30	How Much of An Obstacle: Courts	
V262	i30	How Much of An Obstacle: Crime, Theft And Disorder?	
V263	j30_taxrate_pos	J30: rotation position 1	
V264	j30_taxadmin_pos	J30: rotation position 2	
V265	j30_permit_pos	J30: rotation position 3	
V266	j30_instability_pos	J30: rotation position 4	
V267	j30_corruption_pos	J30: rotation position 5	
V268	j30_courts_pos	J30: rotation position 6	
V269	j30_crime_pos	J30: rotation position 7	
V270	I1	Num. Permanent, Full-Time Employees At End of Last Fiscal Year	
V271	I2	Num. Permanent, Full-Time Employees At End of 3 Fiscal Years Ago	
V272	I3a	Num. Full-Time Employees At End of Last FY: Production Workers	
V273	I3b	Num. Full-Time Employees At End of Last FY: Non-Production Workers	
V274	I4a1	Num. of Permanent, Full-Time Skilled Production Workers, Last FY	
V275	I4a2	Num. of Permanent, Full-Time Semi-skilled Production Workers, Last FY	
V276	I4b	Num. of Permanent, Full-Time Low-skilled Production Workers, Last FY	
V277	I5a	Num. Full-Time Employees At End of Last FY: Female Production Workers	
V278	I5b	Num. Full-Time Employees At End of Last FY: Female Non-Production Workers	
V279	I5	Num. Full-Time Employees At End of Last FY: Female	
V280	I9b	% of Full Time Workers Completed High School End of Last FY	
V281	I9b1	Number of Full Time Workers Completed High School	
V282	I10	Formal Training Programs For Permanent, Full-Time Employees In Last FY	
V283	I11a	% Permanent Full-Time Production Employees Received Formal Training In Last FY	
V284	I11a1	Training Programs Amount: Production Full-Time Permanent Employees Trained	
V285	I11b	% Permanent Fulltime Nonproduction Employees Received Formal Training In Last FY	
V286	I11b1	Training Programs Amount:Non-Production Full-Time Permanent Employees Trained	
V287	I12a	% Permanent Full-Time Female Employees Received Formal Training In Last FY	
V288	I12a1	Training Programs Amount: Full-Time Permanent Female Employees Trained	
V289	I31	In the last FY, number of workers establishment needed to hire	
V290	I32	In the last FY, number of workers establishment hired	
V291	I33	Main reason establishment did not hire more workers in the last FY	
V292	I34	In the last 3 yrs., establishment has dismissed any permanent, full-time workers	
V293	I35	Typical number of weeks to dismiss full-time permanent worker	
V294	I36	Typical number of weeks paid in severance	
V295	I1a	Num. Part-time Employees At End of Last Fiscal Year	
V296	I6	Num. Full-Time Temporary Employees At End of Last FY	
V297	I6a	Female Temporary, Full-Time Workers Employed Throughout Last FY	
V298	I8	Avg. Length of Employment of All Full-Time Temporary Employees In Last FY	
V299	I37	In the last 3 yrs., establishment has been involved in any labor dispute	

ID	Name	Label	Question
V300	I38	Typical number of weeks to resolve labor dispute	
V301	I39	Cost to resolve labor dispute	
V302	I40	In last FY, was establishment visited by health and safety inspectors	
V303	I41	Was a report issued for health and safety inspection	
V304	I30a	How Much of An Obstacle: Labor Regulations?	
V305	I30b	How Much of An Obstacle: Inadequately Educated Workforce?	
V306	m1a	Biggest Obstacle Affecting The Operation of This Establishment	
V307	m1a_finance_pos	m1a: Position of Access to Finance	
V308	m1a_land_pos	m1a: Position of Access to land	
V309	m1a_permit_pos	m1a: Position of Business licensing and permits	
V310	m1a_corruption_pos	m1a: Position of corruption	
V311	m1a_courts_pos	m1a: Position of Courts	
V312	m1a_crime_pos	m1a: Position of Crime, theft and disorder	
V313	m1a_trade_pos	m1a: Position of Customs and trade regulations	
V314	m1a_electricity_pos	m1a: Position of Electricity	
V315	m1a_workforce_pos	m1a: Position of Inadequately educated workforce	
V316	m1a_labor_pos	m1a: Position of Labor regulations	
V317	m1a_instability_pos	m1a: Position of Political instability	
V318	m1a_informal_pos	m1a: Position of Practices of competitors in the informal sector	
V319	m1a_taxadmin_pos	m1a: Position of Tax administration	
V320	m1a_taxrate_pos	m1a: Position of Tax rates	
V321	m1a_transport_pos	m1a: Position of Transport	
V322	n2a	Total Labor Cost (Incl. Wages, Salaries, Bonuses, Etc) In Last Fiscal Year	
V323	n2a2	Social security payments and employment-based taxes	
V324	n2b	Total Annual Costs of Electricity In Last Fiscal Year	
V325	n2k	Total Annual Cost of Water	
V326	n2l	Total Annual Cost of high-speed, fixed broadband internet	
V327	n2e	Cost of Raw Materials And Intermediate Goods Used In Prod. In Last Fiscal Year	
V328	n2i	Total Annual Cost of Finished Goods/Materials Bought To Resell In Last FY	
V329	n2a1	Total Labor Cost (Incl. Wages, Salaries, Bonuses, Etc) 2 fiscal years ago	
V330	n2e1	Total Cost of Raw Materials And Intermediate Goods Used In Production	
V331	n7a	Cost For Establishment To Re-Purchase All of Its Machinery	
V332	n11	Effective income-based tax rate	
V333	n12	Effective consumption tax rate	
V334	a15d	Day	
V335	a15m	Month	
V336	a15y	Year	
V337	a15h	Hour	
V338	a15min	Minutes	
V339	a16	Perception of The Questions Regarding Opinions And Perceptions	
V340	a17	Responses To The Questions About Figures Areâ€!	
V341	a18	This Questionnaire Was Completed In:	
V342	a19h	If Option 2 or 3 In A.18, Estimate Duration of The Whole Interview: Hours	
V343	a19m	If Option 2 or 3 In A.18, Estimate Duration of The Whole Interview: Minutes	
V344	a13	Supervisor Number	

ID	Name	Label	Question
V345	a3b	official Capital City?	
V346	a3c	Main Business City?	
V347	a3	Size of Locality	
V348	d1a2_v4	Main Product/Service ISIC (Rev. 4) Code	
V349	stratificationregioncode	stratification region code	
V350	stratificationsizecode	stratification size code	
V351	stratificationsectorcode	stratification sector code	
V352	stratificationpanelcode	panel code	
V353	wstrict	Weight according to strict eligibility	
V354	wmedian	Weight according to median eligibility	
V355	wweak	Weight according to weak eligibility	
V356	strata	see notes	

total: 355



**VAT\_APPLICABLE: VAT is applicable in economy****Data file: Ghana-2023-full-data.dta****Overview**

Valid: 713 Invalid: Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 1 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1	Yes	713	100%
2	No	0	0%

**A4B\_V4: Industry Screener Sector****Data file: Ghana-2023-full-data.dta****Overview**

Valid: 713 Invalid: Minimum: 10 Maximum: 95  
 Type: Discrete Decimal: 0 Width: 2 Range: 10 - 95 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
10	Food	36	5%
11	Beverages	35	4.9%
12	Tobacco products	0	0%
13	Textiles	0	0%
14	Wearing apparel	24	3.4%
15	Leather and related products	4	0.6%
16	Wood and products of wood and cork	13	1.8%
17	Paper and paper products	3	0.4%
18	Printing and reproduction of recorded media	24	3.4%
19	Coke and refined petroleum products	2	0.3%
20	Chemical and chemical products	14	2%
21	Pharmaceutical products	4	0.6%
22	Rubber and plastic products	13	1.8%
23	Non-metallic mineral products	11	1.5%
24	Basic metals	6	0.8%
25	Fabricated metal products	20	2.8%

26	Computer, electronic, and optical products	0	0%
27	Electrical equipment	3	0.4%
28	Machinery and equipment	3	0.4%
29	Motor vehicles	2	0.3%
30	Other transport equipment	0	0%
31	Furniture	13	1.8%
32	Other manufacturing	2	0.3%
33	Repair and installation of machinery and equipment	0	0%
41	Construction of buildings	20	2.8%
42	Civil engineering	10	1.4%
43	Specialized construction activities	15	2.1%
45	Services of motor vehicles	20	2.8%
46	Wholesale	62	8.7%
47	Retail	121	17%
49	Land transport and transport via pipelines	2	0.3%
50	Water transport	2	0.3%
51	Air transport	5	0.7%
52	Warehousing and support activities for transportation	14	2%
53	Postal and courier activities	0	0%
55	Accommodation	113	15.8%
56	Food and beverage	48	6.7%
58	Publishing activities	1	0.1%
61	Telecommunications	2	0.3%
62	Computer programming	3	0.4%
69	Legal and accounting activities	2	0.3%
70	Activities of head offices; management consultancy activities	18	2.5%
71	Architectural and engineering activities; technical testing and analysis	7	1%
72	Scientific research and development	3	0.4%
73	Advertising and market research	0	0%
74	Other professional, scientific and technical activities	5	0.7%
75	Veterinary activities	1	0.1%
79	Travel agency, tour operator	4	0.6%
95	Repair of computers and household goods	3	0.4%

## IDSTD: WEB STD FIRMID

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

### Overview

Valid: 713    Invalid:    Minimum: 1194127    Maximum: 1194839

Type: Continuous    Decimal: 0    Width: 7    Range: 1194127 - 1194839    Format: Numeric

---

## ID: Firm ID

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

### Overview

Valid: 713    Invalid:    Minimum: 7    Maximum: 11561

Type: Continuous    Decimal: 0    Width: 5    Range: 7 - 11561    Format: Numeric

---

## A4A: Industry Sampling Sector

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

### Overview

Valid: 713    Invalid:    Minimum: 1    Maximum: 5

Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 5    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Food and Beverages	95	13.3%
2	Other Manufacturing	198	27.8%
3	Retail	123	17.3%
4	Hotels	111	15.6%
5	Other Services	186	26.1%

---

## A6A: Sampling Size

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

### Overview

Valid: 713    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	338	47.4%
2	Medium	233	32.7%
3	Large	53	7.4%
4	Unknown	89	12.5%

## A2: Sampling Region

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Greater Accra-Eastern-Volta-Oti	298	41.8%
2	Ashanti-Bono-Bono East-Ahafo	172	24.1%
3	Western-North Western-Central	123	17.3%
4	Northern-Savannah-North East-Upper East-Upper West	120	16.8%

## A1C: Sample Frame Level

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

### Overview

Valid: 713 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	713	100%
2	Firm	0	0%

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

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

### Overview

Valid: 713 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
0		340	47.7%
1		373	52.3%

---

## **TAX\_SELECT: Random selection for market tax compliance question**

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

### **Overview**

Valid: 713 Invalid: 0 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### **Questions and instructions**

---

#### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
0		338	47.4%
1		375	52.6%

---

## **A0: Questionnaire**

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

### **Overview**

Valid: 713 Invalid: 0 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

### **Questions and instructions**

---

#### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1	Manufacturing	231	32.4%
2	Retail services	132	18.5%
3	Other services	350	49.1%

---

## **A3A: Region of The Establishment**

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

### **Overview**

Valid: 713 Invalid: 0 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1	Greater Accra-Eastern-Volta-Oti	302	42.4%
2	Ashanti-Bono-Bono East-Ahafo	168	23.6%
3	Western-North Western-Central	124	17.4%
4	Northern-Savannah-North East-Upper East-Upper West	119	16.7%

---

## A6C: Screener Size

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 3000  
 Type: Continuous Decimal: 0 Width: 4 Range: 1 - 3000 Format: Numeric

---

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

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1	Yes	108	15.1%
2	No	605	84.9%

---

## A1A: Language of The Interview

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 1 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1	English	713	100%

---

## PANEL: Panel Code

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

### Overview

Valid: 713 Invalid: 0 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### Questions and instructions

---

CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
0		565	79.2%
1		148	20.8%

---

## A14D: Day

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

### Overview

Valid: 713 Invalid: 0 Minimum: 1 Maximum: 31  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 31 Format: Numeric

### Questions and instructions

---

CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		18	2.5%
2		24	3.4%
3		14	2%
4		11	1.5%
5		11	1.5%
6		23	3.2%
7		15	2.1%
8		27	3.8%
9		22	3.1%
10		13	1.8%
11		40	5.6%
12		25	3.5%

13		30	4.2%
14		37	5.2%
15		34	4.8%
16		43	6%
17		41	5.8%
18		31	4.3%
19		23	3.2%
20		30	4.2%
21		23	3.2%
22		25	3.5%
23		10	1.4%
24		24	3.4%
25		19	2.7%
26		18	2.5%
27		17	2.4%
28		29	4.1%
29		14	2%
30		8	1.1%
31		14	2%

## A14M: Month

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 11 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		9	1.3%
2		56	7.9%
3		128	18%
4		36	5%
5		77	10.8%
6		22	3.1%
7		47	6.6%
8		160	22.4%

9		100	14%
10		76	10.7%
11		2	0.3%

---

## A14Y: Year

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

### Overview

Valid: 713 Invalid: Minimum: 2023 Maximum: 2024  
 Type: Discrete Decimal: 0 Width: 4 Range: 2023 - 2024 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
2023		698	97.9%
2024		15	2.1%

---

## A14H: Hour

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

### Overview

Valid: 713 Invalid: Minimum: 5 Maximum: 22  
 Type: Discrete Decimal: 0 Width: 2 Range: 5 - 22 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
5		1	0.1%
6		4	0.6%
7		6	0.8%
8		22	3.1%
9		59	8.3%
10		96	13.5%
11		90	12.6%
12		88	12.3%
13		89	12.5%
14		98	13.7%
15		70	9.8%

16		46	6.5%
17		21	2.9%
18		15	2.1%
19		3	0.4%
20		2	0.3%
21		2	0.3%
22		1	0.1%

## A14MIN: Minutes

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

### Overview

Valid: 713 Invalid: 0 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: Ghana-2023-full-data.dta

### Overview

Valid: 713 Invalid: 0 Minimum: 2022 Maximum: 2022  
 Type: Discrete Decimal: 0 Width: 4 Range: 2022 - 2022 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
2022		713	100%

## A20M: Close Month of The Last Completed Fiscal Year

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

### Overview

Valid: 713 Invalid: 0 Minimum: 12 Maximum: 12  
 Type: Discrete Decimal: 0 Width: 2 Range: 12 - 12 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
12		713	100%

## A20D: Close Day of The Last Completed Fiscal Year

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

### Overview

Valid: 713 Invalid: Minimum: 31 Maximum: 31  
 Type: Discrete Decimal: 0 Width: 2 Range: 31 - 31 Format: Numeric

### Questions and instructions

CATEGORIES

Value	Category	Cases	
31		713	100%

## A1: Country Code

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

### Overview

Valid: 713 Invalid: Minimum: 16 Maximum: 16  
 Type: Discrete Decimal: 0 Width: 2 Range: 16 - 16 Format: Numeric

### Questions and instructions

CATEGORIES

Value	Category	Cases	
16	Ghana	713	100%

## A12: Interviewer Number

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

### Overview

Valid: 713 Invalid:  
 Type: Discrete Width: 15 Range: - Format: character

## A7A: Number of Establishments In The Firm

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

### Overview

Valid: 108 Invalid: 605 Minimum: -9 Maximum: 95  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 95 Format: Numeric

## Questions and instructions

---

CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	4	3.7%
2		46	42.6%
3		18	16.7%
4		15	13.9%
5		7	6.5%
6		6	5.6%
7		1	0.9%
8		2	1.9%
10		1	0.9%
13		1	0.9%
14		1	0.9%
16		1	0.9%
19		1	0.9%
20		2	1.9%
22		1	0.9%
95		1	0.9%
Sysmiss		605	

---

## A7B: Is This Establishment The Headquarters Location?

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

### Overview

Valid: 108    Invalid: 605    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

## Questions and instructions

---

CATEGORIES

Value	Category	Cases	
1	Yes	67	62%
2	No	41	38%
Sysmiss		605	

---

**A11: If Hq, Financial Statements Independent of The Rest of Establishment****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 67    Invalid: 646    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	43	64.2%
2	No	24	35.8%
Sysmiss		646	

**A7C: Does This Headquarters Location Engage In Production or Sales At This Location?****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 67    Invalid: 646    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	65	97%
2	No	2	3%
Sysmiss		646	

**A9: Establishment'S Financial Statements Prepared Separately From Hq Statements****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 37    Invalid: 676    Minimum: 1    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	37	100%

2	No	0	0%
Sysmiss		676	

---

## B1: Legal Status of The Firm

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

### Overview

Valid: 713 Invalid: 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)	1	0.1%
1	Shareholding company with shares traded on the stock market	11	1.5%
2	Shareholding company with non-traded shares or shares traded privately	364	51.1%
3	Sole proprietorship	271	38%
4	Partnership	15	2.1%
5	Limited partnership	50	7%
6	Other	1	0.1%

---

## B1\_GH: Legal Status of the Firm (Ghana)

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

### Overview

Valid: 713 Invalid: 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)	1	0.1%
1	Public Limited Company	11	1.5%
2	Private Limited Company	364	51.1%
3	Sole proprietorship	271	38%
4	Incorporated partnership	15	2.1%
5	Limited partnership	50	7%
6	Other	1	0.1%

## B1X: Other (Specify)

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

### Overview

Valid: 713 Invalid:  
Type: Discrete Width: 1 Range: - Format: character

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

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

### Overview

Valid: 713 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	0.3%
1	Yes	556	78%
2	No	155	21.7%

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

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

### Overview

Valid: 713 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)	5	0.7%
0		43	6%
2		1	0.1%
10		2	0.3%
15		1	0.1%
20		5	0.7%
30		4	0.6%

35		1	0.1%
45		1	0.1%
50		14	2%
51		1	0.1%
60		8	1.1%
65		1	0.1%
70		8	1.1%
75		1	0.1%
80		3	0.4%
90		2	0.3%
100		612	85.8%

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

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

### Overview

Valid: 713 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)	5	0.7%
0		627	87.9%
10		1	0.1%
20		3	0.4%
30		2	0.3%
35		1	0.1%
40		6	0.8%
49		1	0.1%
50		11	1.5%
55		1	0.1%
65		1	0.1%
70		4	0.6%
80		6	0.8%
85		1	0.1%
90		2	0.3%
98		1	0.1%

100		40	5.6%
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## B2C: % Owned By Government/State

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

### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 60  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 60 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	5	0.7%
0		703	98.6%
10		1	0.1%
20		2	0.3%
40		1	0.1%
60		1	0.1%

## B2D: % Owned By Other

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

### Overview

Valid: 713 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)	5	0.7%
0		692	97.1%
10		5	0.7%
20		1	0.1%
25		1	0.1%
30		3	0.4%
40		2	0.3%
50		3	0.4%
100		1	0.1%

## B4: Amongst The Owners of The Firm, Are There Any Females?

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

### Overview

Valid: 713 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)	5	0.7%
1	Yes	230	32.3%
2	No	478	67%

## B4A: % of The Firm Owned By Females

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

### Overview

Valid: 230 Invalid: 483 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)	20	8.7%
3		1	0.4%
5		2	0.9%
10		7	3%
15		2	0.9%
20		6	2.6%
25		3	1.3%
30		19	8.3%
33		2	0.9%
38		1	0.4%
40		18	7.8%
46		1	0.4%
50		48	20.9%

51		1	0.4%
60		3	1.3%
70		4	1.7%
72		1	0.4%
80		3	1.3%
90		1	0.4%
100		87	37.8%
Sysmiss		483	

## B5: Year Establishment Began Operations

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

### Overview

Valid: 713 Invalid: -9 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)	4	0.6%
1946		1	0.1%
1953		1	0.1%
1960		1	0.1%
1965		1	0.1%
1966		1	0.1%
1970		2	0.3%
1973		1	0.1%
1974		1	0.1%
1976		2	0.3%
1978		2	0.3%
1979		1	0.1%
1980		1	0.1%
1982		2	0.3%
1983		1	0.1%
1984		2	0.3%
1985		2	0.3%
1986		1	0.1%
1987		3	0.4%

1988		4	0.6%
1989		1	0.1%
1990		3	0.4%
1991		3	0.4%
1992		6	0.8%
1993		9	1.3%
1994		2	0.3%
1995		8	1.1%
1996		8	1.1%
1997		4	0.6%
1998		15	2.1%
1999		2	0.3%
2000		20	2.8%
2001		13	1.8%
2002		10	1.4%
2003		19	2.7%
2004		14	2%
2005		16	2.2%
2006		20	2.8%
2007		20	2.8%
2008		42	5.9%
2009		24	3.4%
2010		33	4.6%
2011		20	2.8%
2012		34	4.8%
2013		28	3.9%
2014		35	4.9%
2015		46	6.5%
2016		46	6.5%
2017		25	3.5%
2018		49	6.9%
2019		45	6.3%
2020		30	4.2%
2021		18	2.5%
2022		11	1.5%

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

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

## Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 320  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 320 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	46	6.5%
1		20	2.8%
2		51	7.2%
3		72	10.1%
4		55	7.7%
5		80	11.2%
6		58	8.1%
7		33	4.6%
8		37	5.2%
9		15	2.1%
10		52	7.3%
11		10	1.4%
12		19	2.7%
13		5	0.7%
14		6	0.8%
15		36	5%
16		2	0.3%
17		4	0.6%
18		6	0.8%
20		23	3.2%
21		1	0.1%
23		4	0.6%
24		2	0.3%
25		10	1.4%
26		2	0.3%
28		2	0.3%
30		13	1.8%
34		1	0.1%
35		5	0.7%
36		1	0.1%
40		4	0.6%
42		1	0.1%

46		1	0.1%
48		1	0.1%
50		10	1.4%
54		1	0.1%
56		2	0.3%
60		3	0.4%
63		2	0.3%
75		1	0.1%
80		2	0.3%
88		1	0.1%
100		4	0.6%
110		2	0.3%
133		1	0.1%
139		1	0.1%
150		1	0.1%
151		1	0.1%
174		1	0.1%
180		1	0.1%
320		1	0.1%

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

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

### Overview

Valid: 713 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)	10	1.4%
-7	Never registered (spontaneous)	0	0%
1953		1	0.1%
1963		1	0.1%
1965		1	0.1%
1967		1	0.1%
1970		1	0.1%
1972		1	0.1%

1973		1	0.1%
1974		1	0.1%
1976		2	0.3%
1978		1	0.1%
1981		1	0.1%
1982		2	0.3%
1983		1	0.1%
1984		2	0.3%
1986		1	0.1%
1987		2	0.3%
1988		3	0.4%
1989		1	0.1%
1990		2	0.3%
1991		1	0.1%
1992		3	0.4%
1993		10	1.4%
1994		1	0.1%
1995		5	0.7%
1996		5	0.7%
1997		5	0.7%
1998		5	0.7%
1999		3	0.4%
2000		17	2.4%
2001		20	2.8%
2002		11	1.5%
2003		16	2.2%
2004		11	1.5%
2005		18	2.5%
2006		19	2.7%
2007		25	3.5%
2008		39	5.5%
2009		20	2.8%
2010		34	4.8%
2011		17	2.4%
2012		37	5.2%
2013		35	4.9%
2014		44	6.2%
2015		53	7.4%
2016		43	6%

2017		24	3.4%
2018		53	7.4%
2019		41	5.8%
2020		28	3.9%
2021		22	3.1%
2022		12	1.7%

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

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

### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 55  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 55 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	18	2.5%
1	One year or less	11	1.5%
2		14	2%
3		24	3.4%
4		19	2.7%
5		38	5.3%
6		18	2.5%
7		30	4.2%
8		31	4.3%
9		21	2.9%
10		71	10%
11		13	1.8%
12		23	3.2%
13		24	3.4%
14		11	1.5%
15		64	9%
16		13	1.8%
17		12	1.7%
18		20	2.8%
19		4	0.6%
20		79	11.1%

21		8	1.1%
22		11	1.5%
23		9	1.3%
24		4	0.6%
25		25	3.5%
26		8	1.1%
27		4	0.6%
28		3	0.4%
29		1	0.1%
30		31	4.3%
31		3	0.4%
32		6	0.8%
33		3	0.4%
34		1	0.1%
35		11	1.5%
36		1	0.1%
37		1	0.1%
38		3	0.4%
39		1	0.1%
40		12	1.7%
41		1	0.1%
42		1	0.1%
43		2	0.3%
45		2	0.3%
50		2	0.3%
55		1	0.1%

## B7A: Is The Top Manager Female?

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

### Overview

Valid: 713 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	0.3%

1	Yes	128	18%
2	No	583	81.8%

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

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

### Overview

Valid: 713 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)	24	3.4%
-6	Still in process	3	0.4%
1	Yes	52	7.3%
2	No	634	88.9%

## B8X: Specify The Internationally-Recognized Quality Certifications

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

### Overview

Valid: 713 Invalid:  
 Type: Discrete Width: 66 Range: - Format: character

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

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

### Overview

Valid: 713 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	0.3%
1	Yes	81	11.4%
2	No	630	88.4%

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

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

### Overview

Valid: 81 Invalid: 632 Minimum: -9 Maximum: 365  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 365 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	7	8.6%
-6	Still in process	2	2.5%
-5	Application denied	0	0%
1	One day or less	17	21%
2		3	3.7%
3		6	7.4%
4		1	1.2%
5		2	2.5%
7		1	1.2%
12		1	1.2%
14		5	6.2%
15		1	1.2%
16		1	1.2%
20		1	1.2%
21		2	2.5%
25		1	1.2%
28		1	1.2%
30		9	11.1%
31		1	1.2%
34		1	1.2%
35		1	1.2%
40		3	3.7%
50		1	1.2%
60		5	6.2%
62		1	1.2%
90		1	1.2%
120		3	3.7%
180		2	2.5%

365		1	1.2%
Sysmiss		632	

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

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

### Overview

Valid: 81 Invalid: 632 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)	4	4.9%
-8	Refusal (spontaneous)	0	0%
1	Yes	18	22.2%
2	No	59	72.8%
Sysmiss		632	

## C31: Cost to obtain electrical connection

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

### Overview

Valid: 81 Invalid: 632 Minimum: -9 Maximum: 2000000  
 Type: Discrete Decimal: 0 Width: 7 Range: -9 - 2000000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	18	22.2%
2		1	1.2%
200		1	1.2%
600		2	2.5%
1000		1	1.2%
1200		1	1.2%
1500		2	2.5%
2000		7	8.6%
2500		4	4.9%

3000		10	12.3%
3118		1	1.2%
3500		1	1.2%
3520		1	1.2%
4000		4	4.9%
4500		1	1.2%
5000		2	2.5%
5200		1	1.2%
5600		1	1.2%
7000		4	4.9%
7500		1	1.2%
8000		2	2.5%
10000		1	1.2%
15000		2	2.5%
25000		1	1.2%
35000		1	1.2%
50000		3	3.7%
54000		1	1.2%
58000		1	1.2%
100000		1	1.2%
150000		1	1.2%
520000		1	1.2%
1520000		1	1.2%
2000000		1	1.2%
Sysmiss		632	

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

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

### Overview

Valid: 713 Invalid: -9 Minimum: -9 Maximum: 85255068  
 Type: Discrete Decimal: 0 Width: 8 Range: -9 - 85255068 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	257	100%

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

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

### Overview

Valid: 713 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	0.4%
1	Yes	509	71.4%
2	No	201	28.2%

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

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

### Overview

Valid: 509 Invalid: 204 Minimum: -9 Maximum: 520  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 520 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	22	4.3%
0		3	0.6%
1		42	8.3%
2		96	18.9%
3		69	13.6%
4		54	10.6%
5		71	13.9%
6		39	7.7%
7		9	1.8%
8		25	4.9%
9		3	0.6%
10		39	7.7%
11		1	0.2%
12		9	1.8%
15		8	1.6%

18		1	0.2%
20		7	1.4%
25		1	0.2%
30		3	0.6%
40		1	0.2%
50		2	0.4%
52		1	0.2%
100		1	0.2%
180		1	0.2%
520		1	0.2%
Sysmiss		204	

## C8A: Average Duration of Power Outages: Hours

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

### Overview

Valid: 484 Invalid: 229 Minimum: -9 Maximum: 72  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 72 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	6	1.2%
0		129	26.7%
1		98	20.2%
2		114	23.6%
3		45	9.3%
4		25	5.2%
5		19	3.9%
6		17	3.5%
8		8	1.7%
10		2	0.4%
11		1	0.2%
12		6	1.2%
13		1	0.2%
15		1	0.2%
20		1	0.2%
23		1	0.2%

24		6	1.2%
46		1	0.2%
48		1	0.2%
70		1	0.2%
72		1	0.2%
Sysmiss		229	

## C8B: Average Duration of Power Outages: Minutes

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

### Overview

Valid: 484 Invalid: 229 Minimum: -9 Maximum: 59  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 59 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	6	1.2%
0		56	11.6%
1	One minute or less	145	30%
3		3	0.6%
4		2	0.4%
5		3	0.6%
6		1	0.2%
10		18	3.7%
12		2	0.4%
15		19	3.9%
18		1	0.2%
20		45	9.3%
25		6	1.2%
28		1	0.2%
30		108	22.3%
35		4	0.8%
36		1	0.2%
38		1	0.2%
40		20	4.1%
45		29	6%
49		1	0.2%

50		8	1.7%
54		1	0.2%
59		3	0.6%
Sysmiss		229	

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

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

### Overview

Valid: 468 Invalid: 245 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)	49	10.5%
0	None	134	28.6%
1		21	4.5%
2		21	4.5%
3		11	2.4%
4		3	0.6%
5		59	12.6%
6		4	0.9%
7		3	0.6%
8		7	1.5%
9		1	0.2%
10		53	11.3%
12		1	0.2%
15		18	3.8%
18		2	0.4%
20		29	6.2%
25		12	2.6%
30		15	3.2%
34		1	0.2%
35		1	0.2%
40		14	3%
45		4	0.9%
50		1	0.2%

60		1	0.2%
70		1	0.2%
100		2	0.4%
Sysmiss		245	

## C9B: In Last FY, Value of Losses Due To Power Outages

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

### Overview

Valid: 41 Invalid: 672 Minimum: 100 Maximum: 8000000  
 Type: Discrete Decimal: 0 Width: 7 Range: 100 - 8000000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	None	0	0%
100		1	2.4%
500		1	2.4%
1000		4	9.8%
1200		1	2.4%
1500		1	2.4%
2000		3	7.3%
2700		1	2.4%
3000		3	7.3%
3500		1	2.4%
3800		1	2.4%
5000		6	14.6%
6000		2	4.9%
10000		4	9.8%
11400		1	2.4%
12400		1	2.4%
15000		1	2.4%
20000		1	2.4%
20220		1	2.4%
24000		1	2.4%
35000		1	2.4%
50000		1	2.4%

100000		1	2.4%
288000		1	2.4%
300000		1	2.4%
8000000		1	2.4%
Sysmiss		672	

---

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

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

### Overview

Valid: 713 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	0.3%
1	Yes	502	70.4%
2	No	209	29.3%

---

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

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

### Overview

Valid: 502 Invalid: 211 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)	30	6%
0		6	1.2%
1		16	3.2%
2		28	5.6%
3		7	1.4%
4		3	0.6%
5		95	18.9%
6		1	0.2%

8		1	0.2%
10		104	20.7%
12		3	0.6%
15		22	4.4%
16		1	0.2%
18		1	0.2%
20		68	13.5%
25		9	1.8%
30		54	10.8%
35		1	0.2%
36		1	0.2%
40		18	3.6%
45		1	0.2%
50		20	4%
60		2	0.4%
70		7	1.4%
90		1	0.2%
100		2	0.4%
Sysmiss		211	

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

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

### Overview

Valid: 713 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	0.4%
1	Yes	51	7.2%
2	No	659	92.4%

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

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

## Overview

Valid: 51 Invalid: 662 Minimum: -9 Maximum: 180  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 180 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	2%
-6	Still in process	2	3.9%
-5	Application denied	0	0%
1	One day or less	19	37.3%
3		2	3.9%
4		1	2%
5		2	3.9%
6		1	2%
7		1	2%
10		3	5.9%
12		1	2%
13		1	2%
14		4	7.8%
16		1	2%
18		1	2%
21		2	3.9%
30		3	5.9%
35		1	2%
45		1	2%
60		3	5.9%
180		1	2%
Sysmiss		662	

## C14: When You Applied For A Water Connection, Was An Informal Gift/Payment Requested?

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

## Overview

Valid: 51 Invalid: 662 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	2%
-8	Refusal (spontaneous)	0	0%
1	Yes	8	15.7%
2	No	42	82.4%
Sysmiss		662	

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

Valid: 51    Invalid: 662    Minimum: -9    Maximum: 2600000  
 Type: Discrete    Decimal: 0    Width: 7    Range: -9 - 2600000    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	7	13.7%
5		1	2%
300		1	2%
500		4	7.8%
600		1	2%
800		1	2%
1000		4	7.8%
1100		1	2%
1500		4	7.8%
1700		1	2%
2000		4	7.8%
2405		1	2%
2500		1	2%
3000		2	3.9%
3300		1	2%
3400		1	2%
4000		2	3.9%
5000		5	9.8%
5200		1	2%
5800		1	2%
6000		1	2%

6200		1	2%
40000		1	2%
45000		1	2%
115000		1	2%
235000		1	2%
2600000		1	2%
Sysmiss		662	

## C34: Water consumption in a typical month

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

### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 1500000  
 Type: Discrete Decimal: 0 Width: 7 Range: -9 - 1500000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	253	100%

## C34B: Unit measure of answer to c34

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

### Overview

Valid: 460 Invalid: 253 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	168	36.5%
2	Gallons	288	62.6%
3	Cubic feet	4	0.9%
4	Other	0	0%
Sysmiss		253	

**C34BX: Other (Specify)****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid:  
 Type: Discrete Width: 1 Range: - Format: character

**C152: Did You Experience Insufficient Water Supply In Last FY?****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	16	2.2%
1	Yes	180	25.2%
2	No	517	72.5%

**C162: Frequency of Incidents of Water Shortages In A Typical Month In Last FY****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 180 Invalid: 533 Minimum: -9 Maximum: 90  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 90 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	14	7.8%
0		1	0.6%
1		6	3.3%
2		24	13.3%
3		28	15.6%
4		21	11.7%
5		25	13.9%
6		17	9.4%

7		5	2.8%
8		5	2.8%
9		2	1.1%
10		13	7.2%
12		1	0.6%
13		1	0.6%
15		4	2.2%
20		5	2.8%
24		3	1.7%
30		2	1.1%
31		1	0.6%
72		1	0.6%
90		1	0.6%
Sysmiss		533	

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

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

### Overview

Valid: 165 Invalid: 548 Minimum: -9 Maximum: 96  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 96 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	5	3%
1	One hour or less	30	18.2%
2		16	9.7%
3		18	10.9%
4		6	3.6%
5		14	8.5%
6		9	5.5%
7		2	1.2%
8		4	2.4%
10		3	1.8%
12		6	3.6%
14		2	1.2%
16		1	0.6%

20		1	0.6%
24		22	13.3%
26		2	1.2%
30		1	0.6%
36		2	1.2%
48		5	3%
60		1	0.6%
72		12	7.3%
96		3	1.8%
Sysmiss		548	

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

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

### Overview

Valid: 170 Invalid: 543 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)	31	18.2%
0	None	50	29.4%
1		9	5.3%
2		11	6.5%
3		5	2.9%
5		15	8.8%
6		4	2.4%
7		1	0.6%
8		1	0.6%
10		8	4.7%
12		1	0.6%
15		4	2.4%
20		5	2.9%
21		1	0.6%
25		4	2.4%
30		8	4.7%
35		2	1.2%

40		3	1.8%
47		1	0.6%
55		1	0.6%
58		1	0.6%
60		2	1.2%
65		1	0.6%
80		1	0.6%
Sysmiss		543	

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

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

#### Overview

Valid: 10 Invalid: 703 Minimum: 600 Maximum: 100000  
 Type: Discrete Decimal: 0 Width: 6 Range: 600 - 100000 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	None	0	0%
600		1	10%
1600		1	10%
2000		1	10%
2500		1	10%
3000		1	10%
8000		1	10%
10000		1	10%
16000		1	10%
35000		1	10%
100000		1	10%
Sysmiss		703	

### C22B: Establishment Has Its Own Website

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

#### Overview

Valid: 713 Invalid: -9 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	0.3%
1	Yes	429	60.2%
2	No	282	39.6%

---

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

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

### Overview

Valid: 713 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)	6	0.8%
1	Yes	188	26.4%
2	No	519	72.8%

---

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

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

### Overview

Valid: 188 Invalid: 525 Minimum: -9 Maximum: 700  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 700 Format: Numeric

### Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	10	5.3%
-6	Still in process	8	4.3%
-5	Application denied	2	1.1%
1	One day or less	80	42.6%
2		11	5.9%
3		12	6.4%

4		1	0.5%
5		9	4.8%
6		1	0.5%
7		20	10.6%
8		1	0.5%
10		9	4.8%
14		10	5.3%
15		1	0.5%
21		1	0.5%
28		1	0.5%
30		5	2.7%
31		1	0.5%
50		1	0.5%
60		1	0.5%
100		1	0.5%
365		1	0.5%
700		1	0.5%
Sysmiss		525	

### C38: Cost to obtain Internet connection

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

#### Overview

Valid: 188 Invalid: 525 Minimum: -9 Maximum: 50000  
 Type: Discrete Decimal: 0 Width: 5 Range: -9 - 50000 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	26	13.8%
1		1	0.5%
100		1	0.5%
250		3	1.6%
300		2	1.1%
350		3	1.6%
400		5	2.7%
450		3	1.6%
500		11	5.9%

520		1	0.5%
550		1	0.5%
600		5	2.7%
650		5	2.7%
700		5	2.7%
735		1	0.5%
750		1	0.5%
800		1	0.5%
850		1	0.5%
900		1	0.5%
1000		9	4.8%
1050		1	0.5%
1100		1	0.5%
1200		4	2.1%
1300		1	0.5%
1400		1	0.5%
1500		19	10.1%
1600		2	1.1%
1750		1	0.5%
1800		3	1.6%
2000		13	6.9%
2100		1	0.5%
2300		1	0.5%
2400		1	0.5%
2500		9	4.8%
2600		1	0.5%
3000		10	5.3%
3200		1	0.5%
3500		2	1.1%
3508		1	0.5%
4000		4	2.1%
5000		4	2.1%
5500		1	0.5%
5600		1	0.5%
5800		1	0.5%
6000		1	0.5%
6500		1	0.5%
7200		2	1.1%
7500		1	0.5%

8000		1	0.5%
12000		1	0.5%
15000		3	1.6%
16000		1	0.5%
20000		4	2.1%
20143		1	0.5%
25000		1	0.5%
50000		1	0.5%
Sysmiss		525	

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

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

#### Overview

Valid: 713 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)	9	1.3%
-7	The establishment does not have an internet connection	118	16.5%
1	Yes	261	36.6%
2	No	325	45.6%

### C40A: Average Length of Internet Disruptions: Hours

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

#### Overview

Valid: 261 Invalid: 452 Minimum: -9 Maximum: 216  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 216 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	26	10%
0	Less than 1 hour	87	33.3%
1		18	6.9%

2		25	9.6%
3		19	7.3%
4		14	5.4%
5		11	4.2%
6		7	2.7%
7		3	1.1%
8		6	2.3%
10		3	1.1%
12		7	2.7%
14		1	0.4%
15		2	0.8%
16		1	0.4%
18		3	1.1%
20		1	0.4%
24		9	3.4%
30		2	0.8%
32		1	0.4%
42		1	0.4%
48		2	0.8%
70		1	0.4%
72		4	1.5%
75		1	0.4%
84		1	0.4%
120		2	0.8%
150		1	0.4%
168		1	0.4%
216		1	0.4%
Sysmiss		452	

## C40B: Average Length of Internet Disruptions: Minutes

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

### Overview

Valid: 87 Invalid: 626 Minimum: -9 Maximum: 59  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 59 Format: Numeric

### Questions and instructions

CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	8	9.2%
1		8	9.2%
2		2	2.3%
5		3	3.4%
10		4	4.6%
12		1	1.1%
15		4	4.6%
20		5	5.7%
25		3	3.4%
26		1	1.1%
30		23	26.4%
32		1	1.1%
35		1	1.1%
40		5	5.7%
45		12	13.8%
50		4	4.6%
54		1	1.1%
59		1	1.1%
Sysmiss		626	

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

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

### Overview

Valid: 252 Invalid: 461 Minimum: -9 Maximum: 70  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 70 Format: Numeric

### Questions and instructions

#### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	42	16.7%
0	None	93	36.9%
1		24	9.5%
2		17	6.7%
3		3	1.2%
4		1	0.4%
5		22	8.7%

6		1	0.4%
8		1	0.4%
10		16	6.3%
15		3	1.2%
20		6	2.4%
25		4	1.6%
30		3	1.2%
40		3	1.2%
45		1	0.4%
50		8	3.2%
60		3	1.2%
70		1	0.4%
Sysmiss		461	

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

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

### Overview

Valid: 9    Invalid: 704    Minimum: 15    Maximum: 500000  
 Type: Discrete    Decimal: 0    Width: 6    Range: 15 - 500000    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	None	0	0%
15		1	11.1%
20		1	11.1%
600		1	11.1%
2000		1	11.1%
10000		2	22.2%
60000		1	11.1%
100000		1	11.1%
500000		1	11.1%
Sysmiss		704	

**C42: How difficult to switch internet providers?****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	56	7.9%
-7	There is only one available internet provider	39	5.5%
1	Unable to change provider	62	8.7%
2	With some difficulty	95	13.3%
3	With little difficulty	145	20.3%
4	With no difficulty at all	316	44.3%

**C30A: How Much of An Obstacle: Electricity To Operations of This Establishment?****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: -7 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -7 - 4 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	0	0%
-7	Does not apply	3	0.4%
0	No obstacle	196	27.5%
1	Minor obstacle	203	28.5%
2	Moderate obstacle	120	16.8%
3	Major obstacle	128	18%
4	Very severe obstacle	63	8.8%

**D1A1A: Establishment'S Main Product/Service Last FY****Data file:** Ghana-2023-full-data.dta

## Overview

Valid: 713 Invalid: 0 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	231	32.4%
2	Retail trade of	132	18.5%
3	Wholesale trade of	62	8.7%
4	Construction of	45	6.3%
6	Provide services of	83	11.6%
51	Hotel	112	15.7%
52	Restaurant	48	6.7%

---

## D1A6A: Total number of hotel rooms in the last FY

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

## Overview

Valid: 112 Invalid: 601 Minimum: -9 Maximum: 196  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 196 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	9	8%
4		1	0.9%
7		1	0.9%
8		2	1.8%
9		1	0.9%
10		2	1.8%
11		2	1.8%
12		1	0.9%
14		1	0.9%
15		5	4.5%
16		4	3.6%
17		3	2.7%
18		3	2.7%

19		2	1.8%
20		10	8.9%
22		3	2.7%
23		3	2.7%
24		2	1.8%
25		4	3.6%
26		5	4.5%
27		1	0.9%
28		5	4.5%
29		1	0.9%
30		14	12.5%
31		2	1.8%
35		2	1.8%
36		1	0.9%
37		1	0.9%
38		2	1.8%
40		1	0.9%
41		2	1.8%
44		2	1.8%
45		2	1.8%
51		1	0.9%
52		1	0.9%
60		1	0.9%
62		1	0.9%
64		1	0.9%
70		2	1.8%
71		1	0.9%
75		1	0.9%
84		1	0.9%
115		1	0.9%
196		1	0.9%
Sysmiss		601	

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

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

### Overview

Valid: 112    Invalid: 601    Minimum: -9    Maximum: 107639  
 Type: Discrete    Decimal: 0    Width: 6    Range: -9 - 107639    Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	44	39.3%
10		3	2.7%
12		9	8%
15		3	2.7%
16		2	1.8%
17		1	0.9%
19		1	0.9%
20		2	1.8%
22		1	0.9%
25		1	0.9%
26		4	3.6%
29		1	0.9%
30		3	2.7%
36		1	0.9%
70		3	2.7%
100		2	1.8%
120		1	0.9%
150		2	1.8%
180		2	1.8%
200		5	4.5%
220		1	0.9%
280		1	0.9%
300		2	1.8%
320		2	1.8%
360		1	0.9%
420		1	0.9%
563		1	0.9%
600		1	0.9%
616		1	0.9%
1332		1	0.9%
2400		1	0.9%
3168		1	0.9%
4046		1	0.9%
7179		1	0.9%
15000		2	1.8%

20000		1	0.9%
21780		1	0.9%
107639		1	0.9%
Sysmiss		601	

## D1A6C: Specify units

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

### Overview

Valid: 68 Invalid: 645 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	31	45.6%
2	Square Yards	5	7.4%
3	Square Meters	32	47.1%
4	Other (Specify)	0	0%
Sysmiss		645	

## D1A6CX: Other (Specify)

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

### Overview

Valid: 713 Invalid:  
 Type: Discrete Width: 1 Range: - Format: character

## D1A3: Main Product/Service: Percent of Total Annual Sales

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

### Overview

Valid: 713 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)	9	1.3%
10		1	0.1%
15		1	0.1%
25		1	0.1%
30		2	0.3%
40		4	0.6%
45		2	0.3%
50		8	1.1%
60		15	2.1%
65		1	0.1%
70		28	3.9%
75		6	0.8%
80		33	4.6%
85		5	0.7%
90		36	5%
95		13	1.8%
97		1	0.1%
98		3	0.4%
99		1	0.1%
100		543	76.2%

## D3C: % of Sales: Direct Exports

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

### Overview

Valid: 713 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)	18	2.5%
0		613	86%
1		1	0.1%
2		1	0.1%
4		1	0.1%
5		7	1%
7		1	0.1%

8		1	0.1%
10		18	2.5%
15		3	0.4%
20		10	1.4%
25		1	0.1%
30		9	1.3%
39		1	0.1%
40		3	0.4%
45		1	0.1%
50		6	0.8%
57		1	0.1%
60		2	0.3%
70		3	0.4%
80		2	0.3%
95		1	0.1%
96		3	0.4%
100		6	0.8%

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

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

### Overview

Valid: 713 Invalid:

Type: Discrete Width: 25 Range: - Format: character

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

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

### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 985656820

Type: Discrete Decimal: 0 Width: 9 Range: -9 - 985656820 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	49	100%

## D2X: Please Also Write Out The Number

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

### Overview

Valid: 713 Invalid:  
Type: Continuous Width: 101 Range: - Format: character

## D2A1: What were the establishment's sales 2 years ago?

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

### Overview

Valid: 231 Invalid: 482 Minimum: -9 Maximum: 336175000  
Type: Discrete Decimal: 0 Width: 9 Range: -9 - 336175000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	55	87.3%
-7	Establishment was not in business	8	12.7%
Sysmiss		482	

## D2A1X: Please Also Write Out The Number

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

### Overview

Valid: 713 Invalid:  
Type: Continuous Width: 104 Range: - Format: character

## N3: What were the establishment's sales 3 years ago?

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

### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 695675195  
Type: Discrete Decimal: 0 Width: 9 Range: -9 - 695675195 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	105	64%
-7	Establishment was not in business in Fiscal Year	59	36%

## N3X: Please Also Write Out The Number

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

### Overview

Valid: 713 Invalid:  
Type: Continuous Width: 105 Range: - Format: character

## D3A: % of Sales: National Sales

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

### Overview

Valid: 713 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)	16	2.2%
0		18	2.5%
2		1	0.1%
4		2	0.3%
5		1	0.1%
10		2	0.3%
20		3	0.4%
23		1	0.1%
25		1	0.1%
30		8	1.1%
40		4	0.6%
45		2	0.3%
50		11	1.5%
55		1	0.1%
60		7	1%
61		1	0.1%
65		1	0.1%
70		15	2.1%
75		1	0.1%
80		21	2.9%
85		1	0.1%

90		21	2.9%
92		1	0.1%
93		1	0.1%
95		7	1%
97		1	0.1%
98		1	0.1%
99		3	0.4%
100		560	78.5%

### D3B: % of Sales: Indirect Exports

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

#### Overview

Valid: 713 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)	18	2.5%
0		611	85.7%
1		3	0.4%
2		1	0.1%
3		1	0.1%
4		1	0.1%
5		9	1.3%
10		13	1.8%
15		1	0.1%
20		19	2.7%
23		1	0.1%
25		1	0.1%
30		5	0.7%
35		1	0.1%
40		4	0.6%
45		1	0.1%
50		6	0.8%
55		1	0.1%
60		2	0.3%

68		1	0.1%
70		2	0.3%
90		1	0.1%
100		10	1.4%

## D32: Main point of exit

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

### Overview

Valid: 46 Invalid: 667 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)	4	8.7%
1	Airport	9	19.6%
2	Land border crossing	17	37%
3	Seaport	16	34.8%
Sysmiss		667	

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

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

### Overview

Valid: 46 Invalid: 667 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)	5	10.9%
-7	Does not apply (spontaneous)	2	4.3%
0	Less than one day	6	13%
2		5	10.9%
3		4	8.7%
4		2	4.3%
5		5	10.9%

7		6	13%
10		3	6.5%
14		3	6.5%
30		2	4.3%
35		1	2.2%
40		1	2.2%
45		1	2.2%
Sysmiss		667	

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

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

#### Overview

Valid: 6 Invalid: 707 Minimum: 2 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 2 - 15 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
2		1	16.7%
3		1	16.7%
4		1	16.7%
5		1	16.7%
7		1	16.7%
15		1	16.7%
Sysmiss		707	

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

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

#### Overview

Valid: 45 Invalid: 668 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)	8	17.8%
0	Less than one day	3	6.7%
1		1	2.2%
2		5	11.1%
3		1	2.2%
4		3	6.7%
5		3	6.7%
7		9	20%
10		4	8.9%
14		1	2.2%
21		2	4.4%
30		2	4.4%
35		1	2.2%
40		1	2.2%
45		1	2.2%
Sysmiss		668	

**D33B: If less than a day, total hours for exported goods to clear all border control a****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 32    Invalid: 681    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)	29	90.6%
4		1	3.1%
7		1	3.1%
15		1	3.1%
Sysmiss		681	

**D34: FCA costs to comply with all export requirements (% of value of goods exported)****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 46    Invalid: 667    Minimum: -9    Maximum: 100  
 Type: Discrete    Decimal: 0    Width: 3    Range: -9 - 100    Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	25	54.3%
1		2	4.3%
3		3	6.5%
5		1	2.2%
7		1	2.2%
10		4	8.7%
15		1	2.2%
20		2	4.3%
28		1	2.2%
30		2	4.3%
35		1	2.2%
50		1	2.2%
70		1	2.2%
100		1	2.2%
Sysmiss		667	

---

### D35: Any exports shipped by main parcel?

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

#### Overview

Valid: 46    Invalid: 667    Minimum: -9    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 2    Format: Numeric

#### Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	4	8.7%
1	Yes	11	23.9%
2	No	31	67.4%
Sysmiss		667	

---

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

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

## Overview

Valid: 11 Invalid: 702 Minimum: -9 Maximum: 14  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 14 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	1	9.1%
0	Less than one day	3	27.3%
1		1	9.1%
2		1	9.1%
3		1	9.1%
5		3	27.3%
14		1	9.1%
Sysmiss		702	

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

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

## Overview

Valid: 32 Invalid: 681 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)	29	90.6%
2		2	6.3%
3		1	3.1%
Sysmiss		681	

## D37: Average cost of digital exports (% of value of goods)

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

## Overview

Valid: 11 Invalid: 702 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)	7	63.6%
1		1	9.1%
2		1	9.1%
10		2	18.2%
Sysmiss		702	

---

## D8: In What Year Did This Establishment First Export Directly or Indirectly?

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

### Overview

Valid: 153 Invalid: 560 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)	57	37.3%
1985		1	0.7%
1997		1	0.7%
1998		2	1.3%
2000		1	0.7%
2001		1	0.7%
2003		1	0.7%
2005		1	0.7%
2006		1	0.7%
2007		1	0.7%
2008		7	4.6%
2009		2	1.3%
2010		2	1.3%
2011		4	2.6%
2012		7	4.6%
2013		2	1.3%
2014		3	2%
2015		9	5.9%

2016		5	3.3%
2017		5	3.3%
2018		12	7.8%
2019		9	5.9%
2020		5	3.3%
2021		9	5.9%
2022		5	3.3%
Sysmiss		560	

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

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

### Overview

Valid: 713 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)	28	3.9%
0		66	9.3%
1		2	0.3%
2		3	0.4%
5		5	0.7%
10		22	3.1%
15		2	0.3%
20		17	2.4%
22		2	0.3%
24		1	0.1%
30		35	4.9%
35		1	0.1%
40		26	3.6%
50		30	4.2%
55		1	0.1%
60		21	2.9%
65		2	0.3%
70		25	3.5%
75		3	0.4%

80		32	4.5%
85		3	0.4%
90		16	2.2%
95		2	0.3%
98		1	0.1%
99		3	0.4%
100		364	51.1%

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

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

### Overview

Valid: 713 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)	28	3.9%
0		364	51.1%
1		3	0.4%
2		1	0.1%
5		2	0.3%
10		16	2.2%
15		3	0.4%
20		32	4.5%
25		3	0.4%
30		25	3.5%
35		2	0.3%
40		21	2.9%
45		1	0.1%
50		30	4.2%
60		26	3.6%
65		1	0.1%
70		35	4.9%
76		1	0.1%
78		2	0.3%
80		17	2.4%

85		2	0.3%
90		22	3.1%
95		5	0.7%
98		3	0.4%
99		2	0.3%
100		66	9.3%

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

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

### Overview

Valid: 321 Invalid: 392 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	0.9%
1	Yes	121	37.7%
2	No	197	61.4%
Sysmiss		392	

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

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

### Overview

Valid: 713 Invalid:  
 Type: Discrete Width: 24 Range: - Format: character

## D39: Main point of entry

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

### Overview

Valid: 121 Invalid: 592 Minimum: -9 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	1	0.8%
1	Airport	16	13.2%
2	Land border crossing	9	7.4%
3	Seaport	95	78.5%
Sysmiss		592	

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

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

### Overview

Valid: 121 Invalid: 592 Minimum: -9 Maximum: 90  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 90 Format: Numeric

### Questions and instructions

#### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	7	5.8%
-7	Does not apply (spontaneous)	5	4.1%
0	Less than one day	1	0.8%
2		5	4.1%
3		10	8.3%
4		2	1.7%
5		9	7.4%
6		1	0.8%
7		20	16.5%
10		7	5.8%
12		1	0.8%
14		15	12.4%
15		2	1.7%
20		3	2.5%
21		4	3.3%
28		1	0.8%
30		3	2.5%
40		3	2.5%
45		4	3.3%
51		1	0.8%
56		1	0.8%

60		9	7.4%
62		1	0.8%
84		1	0.8%
90		5	4.1%
Sysmiss		592	

---

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

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

#### Overview

Valid: 1 Invalid: 712 Minimum: 8 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 2 Range: 8 - 8 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
8		1	100%
Sysmiss		712	

---

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

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

#### Overview

Valid: 116 Invalid: 597 Minimum: -9 Maximum: 120  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 120 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	10	8.6%
0	Less than one day	1	0.9%
2		2	1.7%
3		3	2.6%
4		2	1.7%
5		11	9.5%
6		2	1.7%
7		15	12.9%

10		9	7.8%
12		1	0.9%
14		10	8.6%
15		1	0.9%
16		1	0.9%
20		4	3.4%
21		5	4.3%
23		1	0.9%
26		1	0.9%
28		3	2.6%
30		7	6%
35		1	0.9%
40		4	3.4%
45		2	1.7%
50		1	0.9%
51		1	0.9%
60		4	3.4%
80		1	0.9%
84		1	0.9%
90		10	8.6%
98		1	0.9%
120		1	0.9%
Sysmiss		597	

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

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

### Overview

Valid: 29    Invalid: 684    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)	28	96.6%
7		1	3.4%
Sysmiss		684	

**D41: DAP costs to comply with all import requirements (% of value of goods imported)****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 121    Invalid: 592    Minimum: -9    Maximum: 100  
 Type: Discrete    Decimal: 0    Width: 3    Range: -9 - 100    Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	43	35.5%
1		1	0.8%
2		2	1.7%
3		6	5%
4		1	0.8%
5		8	6.6%
6		1	0.8%
7		3	2.5%
8		3	2.5%
9		1	0.8%
10		14	11.6%
11		1	0.8%
15		2	1.7%
18		1	0.8%
20		5	4.1%
25		4	3.3%
26		1	0.8%
30		8	6.6%
35		2	1.7%
45		3	2.5%
50		1	0.8%
52		1	0.8%
60		1	0.8%
70		1	0.8%
80		3	2.5%
90		1	0.8%
100		3	2.5%
Sysmiss		592	

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

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

### Overview

Valid: 713 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	0.1%
-7	Does not apply	1	0.1%
0	No obstacle	347	48.7%
1	Minor obstacle	189	26.5%
2	Moderate obstacle	91	12.8%
3	Major obstacle	59	8.3%
4	Very severe obstacle	25	3.5%

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

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

### Overview

Valid: 713 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)	5	0.7%
-7	Does not apply	3	0.4%
0	No obstacle	386	54.1%
1	Minor obstacle	162	22.7%
2	Moderate obstacle	93	13%
3	Major obstacle	41	5.8%
4	Very severe obstacle	23	3.2%

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

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

## Overview

Valid: 713 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)	5	0.7%
1	Yes	73	10.2%
2	No	635	89.1%

## O2: Use of courts, arbitration etc. to (or attempt to ) resolve commercial dispute?

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

## Overview

Valid: 73 Invalid: 640 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	74%
2	No	19	26%
Sysmiss		640	

## O3A: Reliable alternative to courts for resolving commercial disputes: Arbitration?

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

## Overview

Valid: 713 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)	21	2.9%
-7	Does not apply (spontaneous)	8	1.1%

1	Strongly disagree	61	8.6%
2	Tend to disagree	84	11.8%
3	Tend to agree	351	49.2%
4	Strongly agree	188	26.4%

---

### Q3B: Reliable alternative to courts for resolving commercial disputes:Mediation etc.?

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

#### Overview

Valid: 713 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)	23	3.2%
-7	Does not apply (spontaneous)	8	1.1%
1	Strongly disagree	49	6.9%
2	Tend to disagree	101	14.2%
3	Tend to agree	352	49.4%
4	Strongly agree	180	25.2%

---

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

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

#### Overview

Valid: 307 Invalid: 406 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 (spontaneous)	8	2.6%
1	We fixed it but did not take further action	26	8.5%
2	We fixed it and took action to make sure it did not happen again	133	43.3%
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	137	44.6%

4	No action was taken	2	0.7%
Sysmiss		406	

## R2: Did This Establishment Monitor Any Production/Service Performance Indicators?

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

### Overview

Valid: 307 Invalid: 406 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	2%
1	Yes	202	65.8%
2	No	99	32.2%
Sysmiss		406	

## R3: How Many Production/Service Provision Performance Indicators Were Monitored?

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

### Overview

Valid: 202 Invalid: 511 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)	3	1.5%
1	1-2 production performance indicators	67	33.2%
2	3-9 production performance indicators	112	55.4%
3	10 or more production performance indicators	20	9.9%
Sysmiss		511	

## R4: Did This Establishment Have Production/Service Provision Targets?

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

## Overview

Valid: 307 Invalid: 406 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)	9	2.9%
1	Yes	221	72%
2	No	77	25.1%
Sysmiss		406	

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

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

## Overview

Valid: 221 Invalid: 492 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	55	24.9%
2	Main focus was on long-term (one year or more) production targets	63	28.5%
3	Combination of short term and long term production targets	103	46.6%
Sysmiss		492	

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

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

## Overview

Valid: 221 Invalid: 492 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)	1	0.5%
1	Possible to achieve without much effort	15	6.8%
2	Possible to achieve with some effort	64	29%
3	Possible to achieve with normal amount of effort	39	17.6%
4	Possible to achieve with more than normal effort	70	31.7%
5	Only possible to achieve with extraordinary effort	18	8.1%
6	Targets were not achieved	14	6.3%
Sysmiss		492	

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

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

### Overview

Valid: 221 Invalid: 492 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	24	10.9%
2	Most managers and some production workers	52	23.5%
3	Most managers and most production workers	38	17.2%
4	All managers and most production workers	107	48.4%
Sysmiss		492	

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

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

### Overview

Valid: 307 Invalid: 406 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	2%
1	Yes	164	53.4%

2	No	137	44.6%
Sysmiss		406	

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

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

### Overview

Valid: 164 Invalid: 549 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	1.2%
1	Their own performance	57	34.8%
2	Their team's or shift performance	43	26.2%
3	The establishment's performance	47	28.7%
4	The firm's performance	15	9.1%
Sysmiss		549	

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

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

### Overview

Valid: 307 Invalid: 406 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	1.3%
-7	Does not apply (spontaneous)	12	3.9%
1	Promotions were based solely on performance and ability	239	77.9%
2	Promotions were based partly on performance and ability, and partly on other factors (for example, tenure or family connections)	26	8.5%
3	Promotions were based mainly on factors other than performance and ability (for example, tenure or family connections)	2	0.7%
4	Non-managers are normally not promoted	24	7.8%
Sysmiss		406	

## R11: When Was An Under-Performing Non-Manager Reassigned or Dismissed?

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

### Overview

Valid: 307 Invalid: 406 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)	12	3.9%
-7	Does not apply (spontaneous)	36	11.7%
1	Within 6 months of identifying non-manager under-performance	66	21.5%
2	After 6 months of identifying non-manager under-performance	39	12.7%
3	Rarely or never	154	50.2%
Sysmiss		406	

## E1: In Last FY, Main Market For Establishment'S Main Product

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

### Overview

Valid: 713 Invalid: 5 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)	5	0.7%
1	Local â€“ main product sold mostly in same municipality where establishment is located	354	49.6%
2	National â€“ main product sold mostly across the country where establishment is located	333	46.7%
3	International	21	2.9%

## E2B: Competitors For The Main Product/Service In The Main Market

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

### Overview

Valid: 708 Invalid: 5 Minimum: -9 Maximum: 1000  
 Type: Discrete Decimal: 0 Width: 4 Range: -9 - 1000 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	26	3.7%
-4	Too many to count	554	78.2%
0		7	1%
1		8	1.1%
2		9	1.3%
3		18	2.5%
4		9	1.3%
5		23	3.2%
6		17	2.4%
7		5	0.7%
8		4	0.6%
10		12	1.7%
11		1	0.1%
13		1	0.1%
15		2	0.3%
20		3	0.4%
21		1	0.1%
30		1	0.1%
35		1	0.1%
45		1	0.1%
50		2	0.3%
65		1	0.1%
200		1	0.1%
1000		1	0.1%
Sysmiss		5	

---

### E31A: Market share of largest competitor in the last fiscal year

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

#### Overview

Valid: 359    Invalid: 354    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)	127	35.4%
1	Above 90%	29	8.1%
2	Between 50% and 90%	140	39%
3	Below 50%	63	17.5%
Sysmiss		354	

---

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

Valid: 329    Invalid: 384    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)	218	66.3%
0		1	0.3%
1		5	1.5%
2		1	0.3%
3		1	0.3%
5		1	0.3%
8		1	0.3%
10		4	1.2%
20		10	3%
25		6	1.8%
30		15	4.6%
35		3	0.9%
36		1	0.3%
40		8	2.4%
45		4	1.2%
50		15	4.6%
60		10	3%
70		5	1.5%
80		8	2.4%
85		1	0.3%
90		1	0.3%

95		1	0.3%
98		1	0.3%
100		8	2.4%
Sysmiss		384	

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

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

### Overview

Valid: 713 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)	7	1%
1	Yes	124	17.4%
2	No	582	81.6%

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

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

### Overview

Valid: 713 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)	85	11.9%
1	Yes	327	45.9%
2	No	301	42.2%

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

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

### Overview

Valid: 713 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)	12	1.7%
1	Yes, there is more competition	480	67.3%
2	Yes, there is less competition	40	5.6%
3	No change	181	25.4%

---

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

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

### Overview

Valid: 713    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)	14	2%
-7	Prices are regulated	181	25.4%
-6	Prices set by HQ	11	1.5%
1	Yes	127	17.8%
2	No	380	53.3%

---

## E34: SOEs operating in the establishment's main market?

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

### Overview

Valid: 713    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)	64	9%
1	Yes	103	14.4%

2	No	546	76.6%
---	----	-----	-------

### E35: How SOE affects ability to grow and expand?

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

#### Overview

Valid: 103 Invalid: 610 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	1%
-7	No state-owned enterprise	1	1%
1	Positively	38	36.9%
2	Not at all	39	37.9%
3	Negatively	24	23.3%
Sysmiss		610	

### E30: How Much of An Obstacle: Practices of Competitors In Informal Sector?

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

#### Overview

Valid: 713 Invalid: -9 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)	20	2.8%
-7	Does not apply	3	0.4%
0	No obstacle	221	31%
1	Minor obstacle	197	27.6%
2	Moderate obstacle	143	20.1%
3	Major obstacle	104	14.6%
4	Very severe obstacle	25	3.5%

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

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

### Overview

Valid: 713 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	0.3%
1	Yes	162	22.7%
2	No	549	77%

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

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

### Overview

Valid: 162 Invalid: 551 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	58%
2	No	68	42%
Sysmiss		551	

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

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

### Overview

Valid: 713 Invalid:  
 Type: Continuous Width: 244 Range: - Format: character

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

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

## Overview

Valid: 713 Invalid:  
 Type: Continuous Width: 244 Range: - Format: character

---

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

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

## Overview

Valid: 713 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)	5	0.7%
1	Yes	104	14.6%
2	No	604	84.7%

---

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

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

## Overview

Valid: 713 Invalid:  
 Type: Continuous Width: 244 Range: - Format: character

---

### H7X: How The Main New/Significantly Improved Process Is Different

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

## Overview

Valid: 713 Invalid:  
 Type: Continuous Width: 244 Range: - Format: character

---

### H8: During Last Fiscal Year, Establishment Spent On R&D (Excl Market Research)?

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

## Overview

Valid: 713 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)	6	0.8%
1	Yes	85	11.9%
2	No	622	87.2%

---

## H9: How Much Spent On R&D, Either In-House or External?

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

### Overview

Valid: 85    Invalid: 628    Minimum: -9    Maximum: 9096000  
 Type: Discrete    Decimal: 0    Width: 7    Range: -9 - 9096000    Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	23	27.1%
10		1	1.2%
400		1	1.2%
500		1	1.2%
800		1	1.2%
1000		1	1.2%
1500		3	3.5%
2000		3	3.5%
2500		3	3.5%
3500		1	1.2%
4000		1	1.2%
4500		1	1.2%
5000		8	9.4%
6000		1	1.2%
6400		1	1.2%
8000		1	1.2%
10000		3	3.5%
10500		1	1.2%
15000		4	4.7%
20000		3	3.5%

25000		1	1.2%
30000		1	1.2%
35000		1	1.2%
35620		1	1.2%
38000		1	1.2%
42000		1	1.2%
50000		4	4.7%
66000		1	1.2%
70000		2	2.4%
76000		1	1.2%
100000		2	2.4%
105000		1	1.2%
256000		1	1.2%
500000		1	1.2%
1000000		2	2.4%
1500000		1	1.2%
9096000		1	1.2%
Sysmiss		628	

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

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

### Overview

Valid: 231 Invalid: 482 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)	62	26.8%
1		1	0.4%
5		2	0.9%
10		2	0.9%
12		2	0.9%
20		3	1.3%
25		1	0.4%
29		1	0.4%
30		4	1.7%

35		3	1.3%
40		4	1.7%
45		3	1.3%
48		1	0.4%
50		14	6.1%
60		14	6.1%
65		4	1.7%
70		19	8.2%
75		6	2.6%
80		32	13.9%
85		9	3.9%
89		1	0.4%
90		10	4.3%
92		1	0.4%
95		7	3%
99		2	0.9%
100		23	10%
Sysmiss		482	

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

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

### Overview

Valid: 713 Invalid: -9 Minimum: 2 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)	5	0.7%
1	Yes	64	9%
2	No	644	90.3%

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

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

### Overview

Valid: 64 Invalid: 649 Minimum: -9 Maximum: 365  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 365 Format: Numeric

## Questions and instructions

---

CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	2	3.1%
-6	Still in process	11	17.2%
-5	Application denied	3	4.7%
1	One day or less	5	7.8%
2		1	1.6%
3		1	1.6%
5		3	4.7%
6		1	1.6%
7		4	6.3%
8		1	1.6%
14		3	4.7%
21		3	4.7%
30		12	18.8%
35		1	1.6%
36		1	1.6%
48		1	1.6%
60		4	6.3%
90		4	6.3%
120		1	1.6%
180		1	1.6%
365		1	1.6%
Sysmiss		649	

---

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

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

### Overview

Valid: 64    Invalid: 649    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	1.6%

-8	Refusal (spontaneous)	1	1.6%
1	Yes	11	17.2%
2	No	51	79.7%
Sysmiss		649	

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

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

#### Overview

Valid: 713 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)	4	0.6%
-7	Does not apply (spontaneous)	10	1.4%
1	Yes	45	6.3%
2	No	654	91.7%

### G32: Wait for occupancy permit

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

#### Overview

Valid: 45 Invalid: 668 Minimum: -9 Maximum: 60  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 60 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	3	6.7%
-6	Still in process	7	15.6%
-5	Application denied	0	0%
1	One day or less	12	26.7%
2		2	4.4%
3		1	2.2%
5		2	4.4%
6		1	2.2%

7		3	6.7%
10		1	2.2%
14		3	6.7%
21		1	2.2%
28		1	2.2%
30		7	15.6%
60		1	2.2%
Sysmiss		668	

### G33: Cost of occupancy permit

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

#### Overview

Valid: 45 Invalid: 668 Minimum: -9 Maximum: 50000  
 Type: Discrete Decimal: 0 Width: 5 Range: -9 - 50000 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	13	28.9%
0		6	13.3%
150		1	2.2%
250		1	2.2%
400		1	2.2%
420		1	2.2%
500		1	2.2%
1000		1	2.2%
1200		2	4.4%
1500		1	2.2%
2000		4	8.9%
2400		1	2.2%
2580		1	2.2%
3000		1	2.2%
4500		1	2.2%
4700		1	2.2%
5000		1	2.2%
7200		1	2.2%
10200		1	2.2%

12000		1	2.2%
15000		1	2.2%
16000		1	2.2%
24000		1	2.2%
50000		1	2.2%
Sysmiss		668	

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

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

### Overview

Valid: 132 Invalid: 581 Minimum: -9 Maximum: 720000  
 Type: Discrete Decimal: 0 Width: 6 Range: -9 - 720000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	88	66.7%
1		2	1.5%
3		1	0.8%
12		3	2.3%
13		1	0.8%
14		1	0.8%
40		1	0.8%
45		1	0.8%
54		1	0.8%
70		1	0.8%
90		1	0.8%
100		2	1.5%
120		1	0.8%
140		2	1.5%
150		3	2.3%
200		1	0.8%
202		1	0.8%
240		5	3.8%
300		1	0.8%
380		1	0.8%
500		1	0.8%

550		1	0.8%
800		1	0.8%
1000		1	0.8%
1100		1	0.8%
2023		1	0.8%
2565		1	0.8%
4523		1	0.8%
5243		1	0.8%
6300		1	0.8%
35000		1	0.8%
35248		1	0.8%
500000		1	0.8%
720000		1	0.8%
Sysmiss		581	

## G5B: The Area Is Measured In:

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

### Overview

Valid: 44 Invalid: 669 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Square Feet	15	34.1%
2	Square Yards	6	13.6%
3	Square Meters	21	47.7%
4	Other	2	4.5%
Sysmiss		669	

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

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

### Overview

Valid: 713 Invalid:  
 Type: Discrete Width: 4 Range: - Format: character

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

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

### Overview

Valid: 713 Invalid: -9 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	0.7%
-7	Does not apply	3	0.4%
0	No obstacle	378	53%
1	Minor obstacle	158	22.2%
2	Moderate obstacle	62	8.7%
3	Major obstacle	73	10.2%
4	Very severe obstacle	34	4.8%

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

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

### Overview

Valid: 713 Invalid: -9 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	0.1%
1	Yes	74	10.4%
2	No	638	89.5%

## GE3A: Monetary damage of physical assets?

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

### Overview

Valid: 74 Invalid: 639 Minimum: -9 Maximum: 2000000  
 Type: Discrete Decimal: 0 Width: 7 Range: -9 - 2000000 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	8	10.8%
30		1	1.4%
100		1	1.4%
2000		2	2.7%
2001		1	1.4%
2300		1	1.4%
2500		1	1.4%
3000		3	4.1%
3200		1	1.4%
3500		1	1.4%
5000		1	1.4%
6000		1	1.4%
6500		1	1.4%
8000		1	1.4%
9000		1	1.4%
10000		5	6.8%
12000		6	8.1%
14000		1	1.4%
14100		1	1.4%
15000		3	4.1%
17000		1	1.4%
20000		2	2.7%
25000		1	1.4%
30000		7	9.5%
35586		1	1.4%
37000		1	1.4%
45000		1	1.4%
50000		3	4.1%
100000		1	1.4%
120000		1	1.4%
200000		3	4.1%
228219		1	1.4%
253000		1	1.4%
300000		3	4.1%
450000		1	1.4%

1200000		1	1.4%
1300000		1	1.4%
1500000		2	2.7%
2000000		1	1.4%
Sysmiss		639	

---

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

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

#### Overview

Valid: 713 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)	16	2.2%
1	Yes	94	13.2%
2	No	603	84.6%

---

### GE8D: Over last 3 years, establishment adopt energy management measures?

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

#### Overview

Valid: 713 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)	19	2.7%
-7	Establishment was not in business	2	0.3%
1	Yes	122	17.1%
2	No	570	79.9%

---

### K3A: % of Working Capital Financed From Internal Funds/Retained Earnings

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

## Overview

Valid: 713 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)	18	2.5%
0		15	2.1%
8		1	0.1%
10		7	1%
18		1	0.1%
20		21	2.9%
22		1	0.1%
25		3	0.4%
30		17	2.4%
35		2	0.3%
40		23	3.2%
45		2	0.3%
50		56	7.9%
55		2	0.3%
60		35	4.9%
64		1	0.1%
65		2	0.3%
70		48	6.7%
73		1	0.1%
75		2	0.3%
80		65	9.1%
85		2	0.3%
90		25	3.5%
95		6	0.8%
100		357	50.1%

## K3BC: % of Working Capital Borrowed From Banks

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

## Overview

Valid: 713 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)	18	2.5%
0		519	72.8%
5		6	0.8%
10		27	3.8%
15		4	0.6%
20		42	5.9%
25		3	0.4%
30		21	2.9%
36		1	0.1%
40		10	1.4%
45		1	0.1%
50		38	5.3%
60		13	1.8%
65		1	0.1%
68		1	0.1%
70		2	0.3%
80		2	0.3%
92		1	0.1%
100		3	0.4%

---

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

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

#### Overview

Valid: 713 Invalid: 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)	17	2.4%
0		641	89.9%
3		1	0.1%
5		4	0.6%

10		10	1.4%
15		2	0.3%
20		20	2.8%
25		2	0.3%
30		5	0.7%
40		1	0.1%
50		4	0.6%
60		3	0.4%
70		1	0.1%
80		1	0.1%
90		1	0.1%

## K3F: % of Working Capital Purchased On Credit/Advances From Suppliers /Customers

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

### Overview

Valid: 713 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)	17	2.4%
0		513	71.9%
2		1	0.1%
5		5	0.7%
10		33	4.6%
15		4	0.6%
20		59	8.3%
25		5	0.7%
27		1	0.1%
30		25	3.5%
40		18	2.5%
45		1	0.1%
50		16	2.2%
55		1	0.1%
60		5	0.7%
70		4	0.6%

80		1	0.1%
90		3	0.4%
100		1	0.1%

## K3HD: % of Working Capital Financed By Other (Money Lenders, Friends, Relatives, Etc)

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

### Overview

Valid: 713 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)	18	2.5%
0		604	84.7%
2		1	0.1%
5		6	0.8%
10		22	3.1%
15		3	0.4%
20		25	3.5%
25		3	0.4%
30		14	2%
35		1	0.1%
45		1	0.1%
50		8	1.1%
60		5	0.7%
65		1	0.1%
100		1	0.1%

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

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

### Overview

Valid: 713 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)	7	1%
1	Yes	261	36.6%
2	No	445	62.4%

---

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

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

### Overview

Valid: 261 Invalid: 452 Minimum: -9 Maximum: 20000000  
Type: Discrete Decimal: 0 Width: 8 Range: -9 - 20000000 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	19	100%
Sysmiss		452	

---

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

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

### Overview

Valid: 261 Invalid: 452 Minimum: -9 Maximum: 68000000  
Type: Discrete Decimal: 0 Width: 8 Range: -9 - 68000000 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	27	10.3%
0		119	45.6%
100		1	0.4%
500		1	0.4%
2000		4	1.5%
2500		1	0.4%
3500		1	0.4%

4000		2	0.8%
4200		1	0.4%
4526		1	0.4%
4600		1	0.4%
4850		1	0.4%
5000		5	1.9%
5400		1	0.4%
6000		1	0.4%
7000		1	0.4%
8000		2	0.8%
10000		4	1.5%
12000		3	1.1%
15000		3	1.1%
15400		1	0.4%
20000		6	2.3%
22000		2	0.8%
24000		1	0.4%
25000		1	0.4%
28600		1	0.4%
30000		4	1.5%
35000		2	0.8%
40000		3	1.1%
43913		1	0.4%
45000		2	0.8%
50000		7	2.7%
53000		1	0.4%
53100		1	0.4%
56000		2	0.8%
60000		1	0.4%
65000		1	0.4%
65800		1	0.4%
70000		2	0.8%
75000		1	0.4%
80000		1	0.4%
100000		8	3.1%
120000		2	0.8%
128000		1	0.4%
150000		4	1.5%
200000		3	1.1%

250000		1	0.4%
400000		1	0.4%
500000		2	0.8%
600000		1	0.4%
750000		1	0.4%
800000		1	0.4%
1000000		3	1.1%
1200000		2	0.8%
1500000		2	0.8%
2000000		2	0.8%
3000000		1	0.4%
5000000		1	0.4%
25000000		1	0.4%
35000000		1	0.4%
68000000		1	0.4%
Sysmiss		452	

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

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

### Overview

Valid: 241 Invalid: 472 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)	6	2.5%
0		10	4.1%
5		1	0.4%
10		4	1.7%
12		1	0.4%
20		6	2.5%
25		2	0.8%
30		9	3.7%
40		8	3.3%
50		21	8.7%
55		1	0.4%

60		17	7.1%
65		1	0.4%
70		15	6.2%
80		21	8.7%
90		8	3.3%
100		110	45.6%
Sysmiss		472	

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

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

### Overview

Valid: 20 Invalid: 693 Minimum: -9 Maximum: 1100000  
 Type: Discrete Decimal: 0 Width: 7 Range: -9 - 1100000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	6	30%
0		2	10%
1600		1	5%
2500		1	5%
14000		1	5%
16000		1	5%
20000		1	5%
35000		1	5%
50000		1	5%
84000		1	5%
200000		1	5%
300000		1	5%
550000		1	5%
1100000		1	5%
Sysmiss		693	

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

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

## Overview

Valid: 241 Invalid: 472 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)	6	2.5%
0		162	67.2%
10		7	2.9%
15		1	0.4%
20		18	7.5%
30		15	6.2%
35		1	0.4%
40		8	3.3%
45		1	0.4%
50		12	5%
60		2	0.8%
70		4	1.7%
80		1	0.4%
100		3	1.2%
Sysmiss		472	

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

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

## Overview

Valid: 20 Invalid: 693 Minimum: -9 Maximum: 15000  
 Type: Discrete Decimal: 0 Width: 5 Range: -9 - 15000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	6	30%
0		11	55%
1500		1	5%
4200		1	5%
15000		1	5%

Sysmiss		693	
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## K5BC: Last FY, % Fixed Assets Funded By: Bank Borrowing

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

### Overview

Valid: 241 Invalid: 472 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)	7	2.9%
0		185	76.8%
5		1	0.4%
10		10	4.1%
18		1	0.4%
20		10	4.1%
30		8	3.3%
40		3	1.2%
45		1	0.4%
50		3	1.2%
60		3	1.2%
70		2	0.8%
75		1	0.4%
90		1	0.4%
95		1	0.4%
100		4	1.7%
Sysmiss		472	

## K5BC1: Fixed Assets - Value Borrowed From Banks

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

### Overview

Valid: 20 Invalid: 693 Minimum: -9 Maximum: 150000  
 Type: Discrete Decimal: 0 Width: 6 Range: -9 - 150000 Format: Numeric

## Questions and instructions

---

CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	5	25%
0		14	70%
150000		1	5%
Sysmiss		693	

---

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

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

### Overview

Valid: 241 Invalid: 472 Minimum: -9 Maximum: 50  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 50 Format: Numeric

## Questions and instructions

---

CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	7	2.9%
0		224	92.9%
5		1	0.4%
10		3	1.2%
20		3	1.2%
30		2	0.8%
50		1	0.4%
Sysmiss		472	

---

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

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

### Overview

Valid: 20 Invalid: 693 Minimum: -9  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - Format: Numeric

## Questions and instructions

---

CATEGORIES

Value	Category	Cases	

-9	Don't know (spontaneous)	5	25%
0		15	75%
Sysmiss		693	

---

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

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

### Overview

Valid: 241 Invalid: 472 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)	7	2.9%
0		205	85.1%
5		2	0.8%
10		8	3.3%
20		10	4.1%
30		4	1.7%
40		1	0.4%
50		1	0.4%
70		2	0.8%
90		1	0.4%
Sysmiss		472	

---

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

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

### Overview

Valid: 20 Invalid: 693 Minimum: -9  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - Format: Numeric

### Questions and instructions

---

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	5	25%
0		15	75%

Sysmiss		693	
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## K5HDJ: Last FY, % Fixed Assets Funded By: Other (Money Lenders\Friends\Relatives\Etc)

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

### Overview

Valid: 241 Invalid: 472 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)	7	2.9%
0		214	88.8%
5		1	0.4%
10		6	2.5%
20		4	1.7%
30		3	1.2%
40		2	0.8%
50		2	0.8%
70		1	0.4%
80		1	0.4%
Sysmiss		472	

## K5HDJ1: Fixed Assets - Value Other

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

### Overview

Valid: 20 Invalid: 693 Minimum: -9 Maximum: 70000  
 Type: Discrete Decimal: 0 Width: 5 Range: -9 - 70000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	5	25%
0		14	70%
70000		1	5%
Sysmiss		693	

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

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

### Overview

Valid: 231 Invalid: 482 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)	4	1.7%
1	Yes	47	20.3%
2	No	180	77.9%
Sysmiss		482	

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

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

### Overview

Valid: 47 Invalid: 666 Minimum: -9 Maximum: 5000000  
 Type: Discrete Decimal: 0 Width: 7 Range: -9 - 5000000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	5	10.6%
0		3	6.4%
2500		1	2.1%
5000		2	4.3%
6000		1	2.1%
10000		3	6.4%
10500		1	2.1%
12000		2	4.3%
15000		1	2.1%
20000		1	2.1%
25000		1	2.1%
28500		1	2.1%

30000		1	2.1%
40000		2	4.3%
50000		2	4.3%
60000		1	2.1%
80000		1	2.1%
99500		1	2.1%
100000		2	4.3%
120000		3	6.4%
200000		2	4.3%
320000		1	2.1%
405000		1	2.1%
455000		1	2.1%
500000		1	2.1%
600000		2	4.3%
898258		1	2.1%
1000000		1	2.1%
1500000		1	2.1%
5000000		1	2.1%
Sysmiss		666	

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

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

### Overview

Valid: 47    Invalid: 666    Minimum: -9    Maximum: 600000  
 Type: Discrete    Decimal: 0    Width: 6    Range: -9 - 600000    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	7	14.9%
0		26	55.3%
2		1	2.1%
3000		1	2.1%
5000		1	2.1%
12000		2	4.3%
15000		1	2.1%
20000		5	10.6%

100000		1	2.1%
200000		1	2.1%
600000		1	2.1%
Sysmiss		666	

## K6: Does This Establishment Have A Checking And\or Saving Account?

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

### Overview

Valid: 713 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)	8	1.1%
1	Yes	632	88.6%
2	No	73	10.2%

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

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

### Overview

Valid: 713 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)	17	2.4%
1	Yes	103	14.4%
2	No	593	83.2%

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

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

### Overview

Valid: 713 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)	17	2.4%
1	Yes, a loan only	111	15.6%
2	Yes, a line of credit only	20	2.8%
3	Yes, both a line of credit and a loan	14	2%
4	No	551	77.3%

---

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

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

### Overview

Valid: 145    Invalid: 568    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	0.7%
1	Private commercial banks	95	65.5%
2	State-owned banks or government agency	38	26.2%
3	Non-bank financial institutions	9	6.2%
4	Other	2	1.4%
Sysmiss		568	

---

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

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

### Overview

Valid: 145    Invalid: 568    Minimum: -9    Maximum: 2023  
Type: Discrete    Decimal: 0    Width: 4    Range: -9 - 2023    Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	

-9	Don't know (spontaneous)	14	9.7%
2011		1	0.7%
2012		2	1.4%
2013		1	0.7%
2015		3	2.1%
2016		1	0.7%
2017		2	1.4%
2018		4	2.8%
2019		13	9%
2020		8	5.5%
2021		30	20.7%
2022		49	33.8%
2023		17	11.7%
Sysmiss		568	

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

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

### Overview

Valid: 145 Invalid: 568 Minimum: -9 Maximum: 1950000000  
 Type: Discrete Decimal: 0 Width: 10 Range: -9 - 1950000000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	28	19.3%
-8	Refusal (spontaneous)	20	13.8%
3		1	0.7%
7		1	0.7%
8		1	0.7%
12		1	0.7%
14		1	0.7%
30		1	0.7%
45		1	0.7%
52		1	0.7%
100		1	0.7%
156		1	0.7%
5000		1	0.7%

9000		1	0.7%
10000		1	0.7%
13000		1	0.7%
15000		2	1.4%
18000		1	0.7%
20000		5	3.4%
25000		1	0.7%
26000		1	0.7%
30000		2	1.4%
35000		1	0.7%
40000		1	0.7%
50000		5	3.4%
70000		1	0.7%
74000		1	0.7%
80000		1	0.7%
100000		3	2.1%
120000		1	0.7%
150000		2	1.4%
200000		4	2.8%
250000		2	1.4%
300000		3	2.1%
320000		1	0.7%
340000		1	0.7%
350000		2	1.4%
360000		1	0.7%
400000		4	2.8%
500000		2	1.4%
600000		1	0.7%
700000		1	0.7%
800000		1	0.7%
900000		1	0.7%
1000000		3	2.1%
1300000		1	0.7%
1500000		1	0.7%
2000000		7	4.8%
3000000		2	1.4%
4000000		2	1.4%
5000000		3	2.1%
6000000		1	0.7%

6750000		1	0.7%
7000000		1	0.7%
9000000		1	0.7%
9600000		1	0.7%
10000000		1	0.7%
12000000		1	0.7%
15000000		1	0.7%
20000000		1	0.7%
30000000		1	0.7%
500000000		1	0.7%
1950000000		1	0.7%
Sysmiss		568	

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

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

#### Overview

Valid: 145 Invalid: 568 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	1.4%
1	Yes	103	71%
2	No	40	27.6%
Sysmiss		568	

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

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

#### Overview

Valid: 103 Invalid: 610 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	73	70.9%
2	No	30	29.1%
Sysmiss		610	

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

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

### Overview

Valid: 103 Invalid: 610 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	23.3%
2	No	79	76.7%
Sysmiss		610	

## K14C: Type of Collateral Required For The Most Recent Loan? Accounts

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

### Overview

Valid: 103 Invalid: 610 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	26	25.2%
2	No	77	74.8%
Sysmiss		610	

## K14D: Type of Collateral Required For The Most Recent Loan? Personal Assets

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

## Overview

Valid: 103 Invalid: 610 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	48.5%
2	No	53	51.5%
Sysmiss		610	

## K14E: Type of Collateral Required For The Most Recent Loan? Other

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

## Overview

Valid: 103 Invalid: 610 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	1.9%
1	Yes	20	19.4%
2	No	81	78.6%
Sysmiss		610	

## K15A: Value of Collateral Required For The Most Recent Credit/Loan

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

## Overview

Valid: 103 Invalid: 610 Minimum: -9 Maximum: 532147569  
 Type: Discrete Decimal: 0 Width: 9 Range: -9 - 532147569 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	27	26.2%

80		1	1%
10000		1	1%
15000		1	1%
30000		4	3.9%
47000		1	1%
50000		2	1.9%
60000		1	1%
72680		1	1%
100000		5	4.9%
200000		1	1%
250000		3	2.9%
300000		2	1.9%
310000		1	1%
350000		1	1%
400000		1	1%
405747		1	1%
423000		1	1%
500000		3	2.9%
700000		3	2.9%
800000		2	1.9%
900000		1	1%
1000000		6	5.8%
1300000		1	1%
1700000		1	1%
2000000		5	4.9%
3000000		3	2.9%
4000000		3	2.9%
5000000		6	5.8%
6321458		1	1%
7847300		1	1%
9000000		1	1%
15000000		2	1.9%
20000000		1	1%
25000000		1	1%
30000000		2	1.9%
35000000		1	1%
50000000		1	1%
60000000		1	1%
500000000		1	1%

532147569		1	1%
Sysmiss		610	

## K15B: Total Number of Open Lines of Credit and Outstanding Loans

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

### Overview

Valid: 145 Invalid: 568 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)	43	29.7%
1		71	49%
2		22	15.2%
3		6	4.1%
4		2	1.4%
10		1	0.7%
Sysmiss		568	

## K15C: Total Outstanding Balance of All Open Lines of Credit and Loans (LCU)

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

### Overview

Valid: 102 Invalid: 611 Minimum: -9 Maximum: 30000000  
 Type: Discrete Decimal: 0 Width: 8 Range: -9 - 30000000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	14	13.7%
-8	Refusal (spontaneous)	27	26.5%
0		6	5.9%
1		1	1%
397		1	1%
4200		1	1%
5000		1	1%

8000		2	2%
11000		1	1%
14000		1	1%
18000		2	2%
20000		4	3.9%
22000		1	1%
25000		1	1%
30000		1	1%
37000		1	1%
60000		1	1%
74000		1	1%
82000		1	1%
90000		1	1%
98000		1	1%
120000		3	2.9%
150000		1	1%
160000		1	1%
170000		1	1%
200000		2	2%
208400		1	1%
250000		1	1%
300000		1	1%
350000		1	1%
370000		1	1%
500000		1	1%
600000		3	2.9%
670000		1	1%
800000		1	1%
1500000		2	2%
1600000		1	1%
2000000		1	1%
2500000		1	1%
3000000		1	1%
4000000		1	1%
5000000		1	1%
6000000		2	2%
7000000		1	1%
10000000		1	1%
30000000		1	1%

Sysmiss

611

**K15D: Outstanding Personal Loans Used To Finance Establishment'S Business Activities?****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	49	6.9%
1	Yes	69	9.7%
2	No	595	83.5%

**K162: In Last FY, Did Establishment Apply For New Loans/Lines of Credit?****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	12	1.7%
1	Yes, a loan only	75	10.5%
2	Yes, a line of credit only	13	1.8%
3	Yes, both a line of credit and a loan	11	1.5%
4	No	602	84.4%

**K17: Main Reason For Not Applying For New Loans or New Lines of Credit****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 602 Invalid: 111 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	1%
1	No need for a loan - establishment had sufficient capital	356	59.1%
2	Application procedures were complex	27	4.5%
3	Interest rates were not favorable	165	27.4%
4	Collateral requirements were too high	18	3%
5	Size of loan and maturity were insufficient	7	1.2%
6	Did not think it would be approved	6	1%
7	Other	17	2.8%
Sysmiss		111	

---

## K20A1: What Was The Outcome of That Most Recent Application For Loan/Line of Credit?

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

### Overview

Valid: 99    Invalid: 614    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	1%
-6	Still in process	3	3%
1	Application was approved in full	69	69.7%
2	Application was approved in part	16	16.2%
3	Application was rejected	9	9.1%
4	Application was withdrawn	1	1%
Sysmiss		614	

---

## K31: Total cost to apply for most recent loan

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

### Overview

Valid: 86    Invalid: 627    Minimum: -9    Maximum: 780000  
 Type: Discrete    Decimal: 0    Width: 6    Range: -9 - 780000    Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	38	44.2%
0		6	7%
5		1	1.2%
32		1	1.2%
100		1	1.2%
200		1	1.2%
250		1	1.2%
500		1	1.2%
1000		5	5.8%
2000		2	2.3%
2500		1	1.2%
4000		2	2.3%
8000		2	2.3%
9000		2	2.3%
9200		1	1.2%
10000		3	3.5%
12000		1	1.2%
15000		2	2.3%
20000		3	3.5%
25000		1	1.2%
47000		1	1.2%
50000		3	3.5%
60000		1	1.2%
61500		1	1.2%
62000		1	1.2%
74000		1	1.2%
200000		1	1.2%
396000		1	1.2%
780000		1	1.2%
Sysmiss		627	

---

### K32: Days to receive a decision about most recent loan application

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

## Overview

Valid: 83 Invalid: 630 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)	12	14.5%
1		1	1.2%
2		3	3.6%
3		2	2.4%
4		1	1.2%
5		3	3.6%
6		1	1.2%
7		12	14.5%
10		2	2.4%
14		10	12%
15		1	1.2%
18		1	1.2%
20		1	1.2%
21		4	4.8%
22		2	2.4%
30		8	9.6%
31		2	2.4%
35		1	1.2%
40		2	2.4%
45		1	1.2%
46		1	1.2%
60		8	9.6%
90		4	4.8%
Sysmiss		630	

## K21: Financial Statements Checked & Certified By External Auditor In Last FY?

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

## Overview

Valid: 713 Invalid: 0 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)	10	1.4%
1	Yes	457	64.1%
2	No	246	34.5%

---

## K33: Percentage of payments received using e-payments

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

### Overview

Valid: 713 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)	50	7%
0		58	8.1%
1		3	0.4%
2		3	0.4%
3		1	0.1%
4		2	0.3%
5		46	6.5%
6		1	0.1%
8		1	0.1%
10		69	9.7%
11		1	0.1%
12		1	0.1%
15		9	1.3%
16		1	0.1%
20		89	12.5%
21		1	0.1%
25		10	1.4%
30		71	10%
35		2	0.3%
40		48	6.7%

45		2	0.3%
50		65	9.1%
60		43	6%
65		2	0.3%
70		32	4.5%
75		3	0.4%
78		1	0.1%
80		42	5.9%
85		4	0.6%
90		14	2%
95		5	0.7%
100		33	4.6%

### K34: Main type of e-payment accepted

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

#### Overview

Valid: 605 Invalid: 108 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)	3	0.5%
1	Internet and mobile banking, including direct debit transfer	216	35.7%
2	Debit cards	8	1.3%
3	Credit cards	34	5.6%
4	E-money and e-wallet, excluding mobile money	16	2.6%
5	Mobile money	299	49.4%
6	Other	29	4.8%
Sysmiss		108	

### K35: Avg. days to receive main type of e-payment

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

#### Overview

Valid: 602 Invalid: 111 Minimum: -9 Maximum: 14  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 14 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	3	0.5%
0	Payment received in less than a day	500	83.1%
1		29	4.8%
2		19	3.2%
3		34	5.6%
4		3	0.5%
5		2	0.3%
7		4	0.7%
10		4	0.7%
14		4	0.7%
Sysmiss		111	

---

### K36: Cost per transaction (% of transaction) to receive main type of e-payment

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

#### Overview

Valid: 602 Invalid: 111 Minimum: -9 Maximum: 40  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 40 Format: Numeric

#### Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	106	17.6%
0		224	37.2%
1		98	16.3%
2		27	4.5%
3		15	2.5%
4		3	0.5%
5		32	5.3%
10		67	11.1%
15		1	0.2%
20		11	1.8%
25		6	1%
30		11	1.8%

40		1	0.2%
Sysmiss		111	

## K37: Monthly fees and subscription costs to receive main type of e-payment

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

### Overview

Valid: 602 Invalid: 111 Minimum: -9 Maximum: 532147  
 Type: Discrete Decimal: 0 Width: 6 Range: -9 - 532147 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	175	29.1%
0		180	29.9%
1		26	4.3%
2		7	1.2%
4		1	0.2%
5		7	1.2%
6		1	0.2%
8		1	0.2%
10		7	1.2%
12		2	0.3%
20		6	1%
25		4	0.7%
30		7	1.2%
35		1	0.2%
40		2	0.3%
50		12	2%
60		3	0.5%
70		1	0.2%
80		2	0.3%
100		28	4.7%
120		8	1.3%
150		9	1.5%
180		5	0.8%
200		21	3.5%
220		1	0.2%

250		2	0.3%
280		1	0.2%
300		8	1.3%
350		1	0.2%
400		3	0.5%
450		1	0.2%
500		13	2.2%
558		1	0.2%
600		2	0.3%
800		1	0.2%
1000		15	2.5%
1200		5	0.8%
1500		4	0.7%
1800		4	0.7%
1900		1	0.2%
2000		5	0.8%
2400		1	0.2%
2500		1	0.2%
3000		4	0.7%
4800		1	0.2%
5000		4	0.7%
10000		2	0.3%
20000		1	0.2%
26587		1	0.2%
31000		1	0.2%
100000		1	0.2%
532147		1	0.2%
Sysmiss		111	

### K38: Percentage of payments made using e-payments

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

#### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 100 Format: Numeric

#### Questions and instructions

CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	93	13%
0		96	13.5%
1		8	1.1%
2		5	0.7%
3		4	0.6%
4		1	0.1%
5		25	3.5%
6		4	0.6%
7		1	0.1%
8		1	0.1%
10		65	9.1%
12		1	0.1%
15		8	1.1%
20		70	9.8%
25		9	1.3%
30		51	7.2%
35		5	0.7%
40		36	5%
45		5	0.7%
48		1	0.1%
50		67	9.4%
55		1	0.1%
60		32	4.5%
70		24	3.4%
75		3	0.4%
80		37	5.2%
82		1	0.1%
85		4	0.6%
90		12	1.7%
95		2	0.3%
98		1	0.1%
100		40	5.6%

### K39: Main type of e-payment used to make payments

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

#### Overview

Valid: 524    Invalid: 189    Minimum: -9    Maximum: 6

Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 6   Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	5	1%
1	Internet and mobile banking, including direct debit transfer	235	44.8%
2	Debit cards	5	1%
3	Credit cards	14	2.7%
4	E-money and e-wallet, excluding mobile money	13	2.5%
5	Mobile money	217	41.4%
6	Other	35	6.7%
Sysmiss		189	

---

## K40: Cost per transaction (% of transaction) to make main type of e-payment

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

### Overview

Valid: 519   Invalid: 194   Minimum: -9   Maximum: 50  
 Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 50   Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	77	14.8%
0		38	7.3%
1		160	30.8%
2		69	13.3%
3		8	1.5%
4		2	0.4%
5		35	6.7%
6		2	0.4%
7		2	0.4%
8		1	0.2%
10		73	14.1%
15		3	0.6%
20		18	3.5%
25		10	1.9%

30		17	3.3%
40		1	0.2%
50		3	0.6%
Sysmiss		194	

## K30: How Much of An Obstacle: Access To Finance

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

### Overview

Valid: 713 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)	4	0.6%
-7	Does not apply	2	0.3%
0	No obstacle	230	32.3%
1	Minor obstacle	135	18.9%
2	Moderate obstacle	110	15.4%
3	Major obstacle	145	20.3%
4	Very severe obstacle	87	12.2%

## J31: In resolving commercial disputes, courts are independent and impartial

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

### Overview

Valid: 713 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)	30	4.2%
-7	Does not apply (spontaneous)	6	0.8%
1	Strongly disagree	68	9.5%
2	Tend to disagree	100	14%
3	Tend to agree	361	50.6%

4	Strongly agree	148	20.8%
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## J2: What % of Senior Management Time Was Spent In Dealing With Govt Regulations?

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

### Overview

Valid: 713 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)	89	12.5%
0	No time was spent	320	44.9%
1		18	2.5%
2		30	4.2%
3		25	3.5%
4		11	1.5%
5		48	6.7%
6		2	0.3%
7		3	0.4%
8		2	0.3%
10		30	4.2%
12		1	0.1%
15		15	2.1%
20		18	2.5%
22		1	0.1%
23		1	0.1%
24		6	0.8%
25		9	1.3%
28		1	0.1%
30		27	3.8%
32		1	0.1%
35		2	0.3%
40		11	1.5%
45		6	0.8%
48		5	0.7%
50		1	0.1%

60		14	2%
72		4	0.6%
80		2	0.3%
82		1	0.1%
85		1	0.1%
90		1	0.1%
94		1	0.1%
95		1	0.1%
96		1	0.1%
100		4	0.6%

### J3: Over The Last 12 Months, Was This Establishment Inspected By Tax officials?

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

#### Overview

Valid: 713 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)	10	1.4%
1	Yes	554	77.7%
2	No	149	20.9%

### J4: Frequency of Inspections/Requirement For Meeting By Tax officials

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

#### Overview

Valid: 554 Invalid: 159 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)	7	1.3%
1		127	22.9%
2		176	31.8%

3		108	19.5%
4		45	8.1%
5		33	6%
6		12	2.2%
7		3	0.5%
8		5	0.9%
9		1	0.2%
10		7	1.3%
12		21	3.8%
15		2	0.4%
20		4	0.7%
30		1	0.2%
50		1	0.2%
90		1	0.2%
Sysmiss		159	

## J5: In Any of These Inspections Was A Gift/Informal Payment Requested ?

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

### Overview

Valid: 554 Invalid: 159 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)	11	2%
-8	Refusal (spontaneous)	11	2%
1	Yes	41	7.4%
2	No	491	88.6%
Sysmiss		159	

## J32: Did any of these visits or meetings consist of a tax audit?

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

### Overview

Valid: 554 Invalid: 159 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	0.5%
1	Yes	307	55.4%
2	No	244	44%
Sysmiss		159	

---

## J33: Weeks until final audit report was received

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

### Overview

Valid: 307    Invalid: 406    Minimum: -9    Maximum: 50  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 50    Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	13	4.2%
-5	Audit is ongoing	0	0%
1	One week or less	169	55%
2		15	4.9%
3		26	8.5%
4		16	5.2%
5		4	1.3%
6		6	2%
7		3	1%
8		8	2.6%
10		5	1.6%
12		7	2.3%
13		3	1%
14		2	0.7%
15		2	0.7%
18		1	0.3%
20		1	0.3%
21		5	1.6%
23		1	0.3%

24		1	0.3%
26		1	0.3%
28		1	0.3%
30		4	1.3%
31		2	0.7%
32		2	0.7%
35		1	0.3%
36		1	0.3%
40		1	0.3%
42		1	0.3%
43		1	0.3%
48		1	0.3%
50		3	1%
Sysmiss		406	

### J34: Establishment outsourced some tax-related activities in the last FY

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

#### Overview

Valid: 713 Invalid: -9 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)	15	2.1%
1	Yes, fully	278	39%
2	Yes, partially	86	12.1%
3	No	334	46.8%

### J35A: Total annual time spent on tax compliance (hours)

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

#### Overview

Valid: 375 Invalid: 338 Minimum: -9 Maximum: 1200  
 Type: Discrete Decimal: 0 Width: 4 Range: -9 - 1200 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	123	32.8%
1	One hour or less	22	5.9%
2		9	2.4%
3		3	0.8%
4		3	0.8%
6		1	0.3%
12		4	1.1%
16		1	0.3%
24		4	1.1%
30		68	18.1%
31		2	0.5%
32		7	1.9%
34		1	0.3%
35		2	0.5%
36		7	1.9%
40		31	8.3%
42		3	0.8%
45		11	2.9%
46		1	0.3%
48		29	7.7%
50		4	1.1%
52		1	0.3%
60		4	1.1%
72		16	4.3%
78		2	0.5%
96		2	0.5%
100		1	0.3%
120		4	1.1%
125		1	0.3%
168		1	0.3%
180		3	0.8%
250		1	0.3%
600		1	0.3%
672		1	0.3%
1200		1	0.3%

Sysmiss		338	
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## J35B: Average monthly time spent on tax compliance (hours)

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

### Overview

Valid: 338 Invalid: 375 Minimum: -9 Maximum: 120  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 120 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	78	23.1%
1	One hour or less	16	4.7%
2		5	1.5%
3		49	14.5%
4		24	7.1%
5		19	5.6%
6		8	2.4%
7		1	0.3%
8		2	0.6%
10		2	0.6%
12		3	0.9%
13		1	0.3%
14		1	0.3%
15		1	0.3%
16		2	0.6%
17		1	0.3%
20		1	0.3%
24		6	1.8%
25		1	0.3%
30		34	10.1%
33		2	0.6%
34		1	0.3%
35		1	0.3%
36		3	0.9%
38		1	0.3%
40		20	5.9%

42		1	0.3%
45		4	1.2%
48		22	6.5%
50		2	0.6%
52		1	0.3%
54		1	0.3%
60		5	1.5%
72		13	3.8%
80		1	0.3%
84		1	0.3%
90		3	0.9%
120		1	0.3%
Sysmiss		375	

### J36: In last FY, did establishment file taxes electronically

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

#### Overview

Valid: 713 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)	16	2.2%
1	Yes, fully	358	50.2%
2	Yes, partially	98	13.7%
3	No	241	33.8%

### J37: In last FY, did establishment pay taxes electronically

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

#### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	13	1.8%
1	Yes, fully	344	48.2%
2	Yes, partially	86	12.1%
3	No	270	37.9%

---

### J38: In the last 3 yrs., establishment has applied for a VAT refund

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

#### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	15	2.1%
-7	Not VAT eligible	6	0.8%
-6	VAT refund not available	120	16.8%
1	Yes	22	3.1%
2	No	550	77.1%

---

### J39: Weeks to receive VAT refund

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

#### Overview

Valid: 22 Invalid: 691 Minimum: -9 Maximum: 32  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 32 Format: Numeric

#### Questions and instructions

##### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	5	22.7%
-5	Refund still outstanding	8	36.4%
1	One week or less	1	4.5%
3		1	4.5%
4		1	4.5%
6		1	4.5%

8		1	4.5%
12		1	4.5%
28		1	4.5%
30		1	4.5%
32		1	4.5%
Sysmiss		691	

## J40: Main reason for not applying for a VAT tax refund

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

### Overview

Valid: 550 Invalid: 163 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)	34	6.2%
1	VAT cash refunds take too long to receive	53	9.6%
2	The application for a VAT cash refund is too complicated	86	15.6%
3	The establishment did not need to apply for a VAT cash refund	377	68.5%
4	Other	0	0%
Sysmiss		163	

## J6A: Government Contract Secured (or Attempted) In The Last 12 Months?

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

### Overview

Valid: 713 Invalid: -9 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)	8	1.1%
1	Yes	124	17.4%
2	No	581	81.5%

**J41: Degree of difficulty to comply with govt contract tender requirements****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 124    Invalid: 589    Minimum: -9    Maximum: 4  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 4    Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	1	0.8%
1	Very much difficult	52	41.9%
2	Moderately difficult	36	29%
3	Somewhat difficult	26	21%
4	Not difficult at all	9	7.3%
Sysmiss		589	

**J42: Establishment has held a govt contract in last 3 yrs?****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713    Invalid:    Minimum: -9    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 2    Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	6	0.8%
1	Yes	101	14.2%
2	No	606	85%

**J43: Typical number of days to receive payment under govt contract****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 101    Invalid: 612    Minimum: -9    Maximum: 365  
 Type: Discrete    Decimal: 0    Width: 3    Range: -9 - 365    Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	11	10.9%
1	Less than one day	0	0%
2		1	1%
4		1	1%
6		1	1%
7		1	1%
10		2	2%
12		2	2%
14		2	2%
15		1	1%
20		3	3%
21		4	4%
28		2	2%
30		12	11.9%
37		1	1%
40		1	1%
45		1	1%
50		1	1%
60		7	6.9%
64		1	1%
80		1	1%
90		17	16.8%
100		1	1%
120		2	2%
170		1	1%
180		5	5%
183		1	1%
190		1	1%
250		1	1%
356		1	1%
360		4	4%
365		11	10.9%
Sysmiss		612	

---

**J7A: Percent of Total Annual Sales Paid In Informal Payments****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 701 Invalid: 12 Minimum: -9 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 100 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	85	12.1%
-8	Refusal (spontaneous)	36	5.1%
0	No payments or gifts are paid	479	68.3%
1		16	2.3%
2		9	1.3%
4		4	0.6%
5		9	1.3%
10		15	2.1%
15		3	0.4%
20		5	0.7%
25		3	0.4%
30		6	0.9%
35		1	0.1%
40		2	0.3%
50		8	1.1%
60		6	0.9%
65		2	0.3%
70		1	0.1%
80		2	0.3%
90		1	0.1%
95		1	0.1%
100		7	1%
Sysmiss		12	

**J7B: Total Annual Informal Payment****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 12 Invalid: 701 Minimum: 0 Maximum: 20000  
 Type: Discrete Decimal: 0 Width: 5 Range: 0 - 20000 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	1	8.3%
1		1	8.3%
500		1	8.3%
800		1	8.3%
1000		2	16.7%
2000		3	25%
3000		1	8.3%
5000		1	8.3%
20000		1	8.3%
Sysmiss		701	

---

## J10: Application To Obtain An Import License Submitted Over The Last 2 Years?

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

### Overview

Valid: 713 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)	11	1.5%
1	Yes	57	8%
2	No	645	90.5%

---

## J11: How Many Days Did It Take To Obtain Your Import License?

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

### Overview

Valid: 57 Invalid: 656 Minimum: -9 Maximum: 120  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 120 Format: Numeric

## Questions and instructions

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CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	7	12.3%
-6	Still in process	3	5.3%
-5	Application denied	2	3.5%
1	One day or less	10	17.5%
2		2	3.5%
3		5	8.8%
4		1	1.8%
5		3	5.3%
7		3	5.3%
12		1	1.8%
14		8	14%
15		1	1.8%
16		1	1.8%
20		1	1.8%
30		4	7%
37		1	1.8%
40		1	1.8%
60		2	3.5%
120		1	1.8%
Sysmiss		656	

---

### J12: When You Applied For An Import License, Was An Informal Gift/Payment Requested?

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

#### Overview

Valid: 57    Invalid: 656    Minimum: -9    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 2    Range: -9 - 2    Format: Numeric

## Questions and instructions

---

CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	6	10.5%
-8	Refusal (spontaneous)	1	1.8%
1	Yes	10	17.5%

2	No	40	70.2%
Sysmiss		656	

### J13: Application To Obtain An Operating License Submitted Over Last 2 Years?

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

#### Overview

Valid: 713 Invalid: -9 Minimum: 2 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)	11	1.5%
1	Yes	199	27.9%
2	No	503	70.5%

### J14: How Many Days Did It Take To Obtain Your Operating License?

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

#### Overview

Valid: 199 Invalid: 514 Minimum: -9 Maximum: 365  
Type: Discrete Decimal: 0 Width: 3 Range: -9 - 365 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	4	2%
-6	Still in process	7	3.5%
-5	Application denied	2	1%
1	One day or less	69	34.7%
2		4	2%
3		13	6.5%
4		1	0.5%
5		9	4.5%
6		1	0.5%
7		7	3.5%
8		1	0.5%

10		1	0.5%
12		1	0.5%
14		8	4%
18		1	0.5%
20		3	1.5%
21		4	2%
22		11	5.5%
26		2	1%
28		4	2%
30		26	13.1%
31		1	0.5%
36		1	0.5%
42		2	1%
50		1	0.5%
56		1	0.5%
60		1	0.5%
70		1	0.5%
72		1	0.5%
90		5	2.5%
180		2	1%
250		1	0.5%
350		1	0.5%
365		2	1%
Sysmiss		514	

## J15: When You Applied For Operating License Was An Informal Gift/Payment Requested?

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

### Overview

Valid: 199 Invalid: 514 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	1%
-8	Refusal (spontaneous)	2	1%
1	Yes	15	7.5%

2	No	180	90.5%
Sysmiss		514	

---

## J30A: How Much of An Obstacle: Tax Rates

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

### Overview

Valid: 713 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)	4	0.6%
-7	Does not apply	0	0%
0	No obstacle	156	21.9%
1	Minor obstacle	109	15.3%
2	Moderate obstacle	137	19.2%
3	Major obstacle	190	26.6%
4	Very severe obstacle	117	16.4%

---

## J30B: How Much of An Obstacle: Tax Administrations

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

### Overview

Valid: 713 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)	5	0.7%
-7	Does not apply	0	0%
0	No obstacle	256	35.9%
1	Minor obstacle	192	26.9%
2	Moderate obstacle	175	24.5%
3	Major obstacle	63	8.8%
4	Very severe obstacle	22	3.1%

## J30C: How Much of An Obstacle: Business Licensing And Permits

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

### Overview

Valid: 713 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)	4	0.6%
-7	Does not apply	0	0%
0	No obstacle	398	55.8%
1	Minor obstacle	185	25.9%
2	Moderate obstacle	92	12.9%
3	Major obstacle	24	3.4%
4	Very severe obstacle	10	1.4%

## J30E: How Much of An Obstacle: Political Instability

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

### Overview

Valid: 713 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)	4	0.6%
-7	Does not apply	18	2.5%
0	No obstacle	409	57.4%
1	Minor obstacle	137	19.2%
2	Moderate obstacle	60	8.4%
3	Major obstacle	60	8.4%
4	Very severe obstacle	25	3.5%

## J30F: How Much of An Obstacle: Corruption

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

### Overview

Valid: 713 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)	6	0.8%
-7	Does not apply	2	0.3%
0	No obstacle	308	43.2%
1	Minor obstacle	191	26.8%
2	Moderate obstacle	85	11.9%
3	Major obstacle	86	12.1%
4	Very severe obstacle	35	4.9%

## H30: How Much of An Obstacle: Courts

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

### Overview

Valid: 713 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)	6	0.8%
-7	Does not apply	2	0.3%
0	No obstacle	530	74.3%
1	Minor obstacle	109	15.3%
2	Moderate obstacle	38	5.3%
3	Major obstacle	20	2.8%
4	Very severe obstacle	8	1.1%

## I30: How Much of An Obstacle: Crime, Theft And Disorder?

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

## Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	5	0.7%
-7	Does not apply	0	0%
0	No obstacle	366	51.3%
1	Minor obstacle	214	30%
2	Moderate obstacle	69	9.7%
3	Major obstacle	38	5.3%
4	Very severe obstacle	21	2.9%

## J30\_TAXRATE\_POS: J30: rotation position 1

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

## Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		118	16.5%
2		108	15.1%
3		93	13%
4		97	13.6%
5		104	14.6%
6		96	13.5%
7		97	13.6%

## J30\_TAXADMIN\_POS: J30: rotation position 2

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

## Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		80	11.2%
2		84	11.8%
3		131	18.4%
4		119	16.7%
5		98	13.7%
6		101	14.2%
7		100	14%

---

## J30\_PERMIT\_POS: J30: rotation position 3

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		78	10.9%
2		110	15.4%
3		81	11.4%
4		107	15%
5		107	15%
6		104	14.6%
7		126	17.7%

---

## J30\_INSTABILITY\_POS: J30: rotation position 4

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		97	13.6%
2		97	13.6%
3		102	14.3%
4		75	10.5%
5		129	18.1%
6		114	16%
7		99	13.9%

---

## J30\_CORRUPTION\_POS: J30: rotation position 5

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		81	11.4%
2		117	16.4%
3		96	13.5%
4		117	16.4%
5		71	10%
6		124	17.4%
7		107	15%

---

## J30\_COURTS\_POS: J30: rotation position 6

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
1		117	16.4%
2		98	13.7%
3		99	13.9%
4		104	14.6%
5		106	14.9%
6		76	10.7%
7		113	15.8%

---

## J30\_CRIME\_POS: J30: rotation position 7

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
1		142	19.9%
2		99	13.9%
3		111	15.6%
4		94	13.2%
5		98	13.7%
6		98	13.7%
7		71	10%

---

## L1: Num. Permanent, Full-Time Employees At End of Last Fiscal Year

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 1000  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 1000 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category
-9	Don't know (spontaneous)

---

## L2: Num. Permanent, Full-Time Employees At End of 3 Fiscal Years Ago

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

### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 978  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 978 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	65	9.1%
-7	Establishment was not in business	59	8.3%
0		31	4.3%
1		6	0.8%
2		5	0.7%
3		21	2.9%
4		24	3.4%
5		45	6.3%
6		43	6%
7		27	3.8%
8		37	5.2%
9		13	1.8%
10		31	4.3%
11		10	1.4%
12		19	2.7%
13		12	1.7%
14		12	1.7%
15		25	3.5%
16		8	1.1%
17		10	1.4%
18		12	1.7%
19		6	0.8%

20		22	3.1%
21		2	0.3%
22		5	0.7%
23		7	1%
24		4	0.6%
25		12	1.7%
26		2	0.3%
27		2	0.3%
28		5	0.7%
29		3	0.4%
30		14	2%
32		1	0.1%
34		1	0.1%
35		4	0.6%
36		1	0.1%
38		3	0.4%
39		1	0.1%
40		10	1.4%
41		1	0.1%
42		2	0.3%
43		2	0.3%
45		5	0.7%
46		1	0.1%
47		2	0.3%
48		3	0.4%
50		12	1.7%
52		1	0.1%
53		1	0.1%
55		3	0.4%
56		1	0.1%
58		2	0.3%
60		2	0.3%
63		1	0.1%
65		2	0.3%
70		2	0.3%
78		2	0.3%
80		5	0.7%
82		1	0.1%
86		1	0.1%

87		1	0.1%
88		1	0.1%
90		2	0.3%
92		1	0.1%
105		2	0.3%
110		1	0.1%
115		3	0.4%
120		5	0.7%
125		1	0.1%
130		1	0.1%
135		1	0.1%
145		1	0.1%
150		5	0.7%
160		1	0.1%
168		1	0.1%
170		1	0.1%
175		1	0.1%
176		1	0.1%
180		2	0.3%
200		2	0.3%
220		2	0.3%
310		1	0.1%
366		1	0.1%
380		1	0.1%
400		1	0.1%
978		1	0.1%

### L3A: Num. Full-Time Employees At End of Last FY: Production Workers

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

#### Overview

Valid: 231 Invalid: 482 Minimum: -9 Maximum: 850  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 850 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	5	2.2%

0		5	2.2%
1		1	0.4%
2		5	2.2%
3		8	3.5%
4		14	6.1%
5		18	7.8%
6		14	6.1%
7		8	3.5%
8		12	5.2%
9		6	2.6%
10		15	6.5%
11		2	0.9%
12		5	2.2%
13		5	2.2%
14		1	0.4%
15		13	5.6%
16		3	1.3%
17		1	0.4%
18		5	2.2%
19		2	0.9%
20		6	2.6%
21		1	0.4%
22		2	0.9%
23		3	1.3%
24		2	0.9%
25		4	1.7%
26		1	0.4%
28		2	0.9%
29		2	0.9%
30		4	1.7%
31		1	0.4%
34		1	0.4%
35		1	0.4%
36		1	0.4%
39		1	0.4%
40		7	3%
42		1	0.4%
45		2	0.9%
47		1	0.4%

50		2	0.9%
54		1	0.4%
60		3	1.3%
62		1	0.4%
63		1	0.4%
65		1	0.4%
66		1	0.4%
68		1	0.4%
74		1	0.4%
75		3	1.3%
78		1	0.4%
80		2	0.9%
84		1	0.4%
87		1	0.4%
90		1	0.4%
98		1	0.4%
100		1	0.4%
110		2	0.9%
118		1	0.4%
125		1	0.4%
130		1	0.4%
140		1	0.4%
165		1	0.4%
169		1	0.4%
170		1	0.4%
190		1	0.4%
225		1	0.4%
271		1	0.4%
300		1	0.4%
302		1	0.4%
320		1	0.4%
430		1	0.4%
850		1	0.4%
Sysmiss		482	

### L3B: Num. Full-Time Employees At End of Last FY: Non-Production Workers

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

## Overview

Valid: 231 Invalid: 482 Minimum: -9 Maximum: 162  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 162 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	5	2.2%
0		60	26%
1		9	3.9%
2		17	7.4%
3		13	5.6%
4		14	6.1%
5		18	7.8%
6		11	4.8%
7		8	3.5%
8		9	3.9%
9		3	1.3%
10		18	7.8%
11		4	1.7%
12		3	1.3%
14		3	1.3%
15		7	3%
18		2	0.9%
20		5	2.2%
22		1	0.4%
25		3	1.3%
27		2	0.9%
29		1	0.4%
30		2	0.9%
35		1	0.4%
40		2	0.9%
43		1	0.4%
45		1	0.4%
47		1	0.4%
55		1	0.4%
59		1	0.4%
61		1	0.4%
75		1	0.4%

80		1	0.4%
150		1	0.4%
162		1	0.4%
Sysmiss		482	

## L4A1: Num. of Permanent, Full-Time Skilled Production Workers, Last FY

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

### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 383  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 383 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	19	2.7%
0		30	4.2%
1		36	5%
2		59	8.3%
3		63	8.8%
4		47	6.6%
5		77	10.8%
6		44	6.2%
7		22	3.1%
8		40	5.6%
9		9	1.3%
10		44	6.2%
11		9	1.3%
12		14	2%
13		4	0.6%
14		4	0.6%
15		39	5.5%
16		5	0.7%
17		3	0.4%
18		3	0.4%
19		4	0.6%
20		33	4.6%
21		2	0.3%

22		7	1%
23		3	0.4%
25		8	1.1%
26		1	0.1%
27		2	0.3%
28		2	0.3%
30		18	2.5%
32		1	0.1%
33		2	0.3%
35		7	1%
37		1	0.1%
40		9	1.3%
45		4	0.6%
46		1	0.1%
48		1	0.1%
50		12	1.7%
52		1	0.1%
55		1	0.1%
57		1	0.1%
65		1	0.1%
70		3	0.4%
75		1	0.1%
80		2	0.3%
88		1	0.1%
90		1	0.1%
100		2	0.3%
120		2	0.3%
150		4	0.6%
160		1	0.1%
180		1	0.1%
320		1	0.1%
383		1	0.1%

#### L4A2: Num. of Permanent, Full-Time Semi-skilled Production Workers, Last FY

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

##### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 467  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 467 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	22	3.1%
0		142	19.9%
1		51	7.2%
2		88	12.3%
3		61	8.6%
4		52	7.3%
5		55	7.7%
6		23	3.2%
7		12	1.7%
8		18	2.5%
9		10	1.4%
10		44	6.2%
11		8	1.1%
12		7	1%
13		3	0.4%
14		5	0.7%
15		14	2%
16		1	0.1%
17		2	0.3%
18		1	0.1%
19		1	0.1%
20		18	2.5%
22		4	0.6%
23		1	0.1%
24		2	0.3%
25		7	1%
26		1	0.1%
27		1	0.1%
30		13	1.8%
33		1	0.1%
34		1	0.1%
40		9	1.3%
42		1	0.1%
43		1	0.1%
44		1	0.1%

45		1	0.1%
47		1	0.1%
50		5	0.7%
60		5	0.7%
62		1	0.1%
70		4	0.6%
77		1	0.1%
80		2	0.3%
88		1	0.1%
100		2	0.3%
120		2	0.3%
145		1	0.1%
149		1	0.1%
150		1	0.1%
160		1	0.1%
161		1	0.1%
415		1	0.1%
467		1	0.1%

## L4B: Num. of Permanent, Full-Time Low-skilled Production Workers, Last FY

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

### Overview

Valid: 713 Invalid: -9 Minimum: -9 Maximum: 608  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 608 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	20	2.8%
0		304	42.6%
1		78	10.9%
2		54	7.6%
3		39	5.5%
4		29	4.1%
5		33	4.6%
6		14	2%
7		9	1.3%

8		11	1.5%
9		5	0.7%
10		31	4.3%
11		3	0.4%
12		4	0.6%
13		1	0.1%
14		4	0.6%
15		6	0.8%
16		3	0.4%
17		2	0.3%
18		3	0.4%
20		9	1.3%
21		2	0.3%
24		3	0.4%
25		2	0.3%
26		2	0.3%
28		1	0.1%
29		1	0.1%
30		4	0.6%
35		3	0.4%
36		1	0.1%
37		1	0.1%
40		2	0.3%
44		1	0.1%
51		1	0.1%
52		2	0.3%
55		2	0.3%
60		2	0.3%
65		1	0.1%
75		1	0.1%
78		1	0.1%
80		2	0.3%
91		1	0.1%
95		1	0.1%
100		2	0.3%
110		1	0.1%
120		1	0.1%
138		1	0.1%
139		1	0.1%

140		1	0.1%
145		1	0.1%
166		1	0.1%
170		1	0.1%
230		1	0.1%
250		1	0.1%
300		1	0.1%
608		1	0.1%

## L5A: Num. Full-Time Employees At End of Last FY: Female Production Workers

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

### Overview

Valid: 231 Invalid: 482 Minimum: -9 Maximum: 510  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 510 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	38	16.5%
0		55	23.8%
1		11	4.8%
2		14	6.1%
3		13	5.6%
4		6	2.6%
5		11	4.8%
6		3	1.3%
7		2	0.9%
8		10	4.3%
9		4	1.7%
10		14	6.1%
11		3	1.3%
12		3	1.3%
13		3	1.3%
14		2	0.9%
15		7	3%
18		2	0.9%
19		1	0.4%

20		4	1.7%
21		1	0.4%
22		2	0.9%
25		1	0.4%
26		1	0.4%
28		1	0.4%
30		3	1.3%
40		2	0.9%
50		2	0.9%
54		1	0.4%
56		1	0.4%
70		4	1.7%
97		1	0.4%
100		1	0.4%
130		1	0.4%
165		1	0.4%
211		1	0.4%
510		1	0.4%
Sysmiss		482	

## L5B: Num. Full-Time Employees At End of Last FY: Female Non-Production Workers

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

### Overview

Valid: 231 Invalid: 482 Minimum: -9 Maximum: 60  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 60 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	38	16.5%
0		54	23.4%
1		23	10%
2		22	9.5%
3		19	8.2%
4		14	6.1%
5		13	5.6%
6		9	3.9%

7		4	1.7%
8		8	3.5%
9		1	0.4%
10		14	6.1%
12		5	2.2%
15		1	0.4%
17		1	0.4%
20		3	1.3%
47		1	0.4%
60		1	0.4%
Sysmiss		482	

## L5: Num. Full-Time Employees At End of Last FY: Female

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

### Overview

Valid: 482 Invalid: 231 Minimum: -9 Maximum: 121  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 121 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	7	1.5%
0		54	11.2%
1		36	7.5%
2		67	13.9%
3		49	10.2%
4		33	6.8%
5		41	8.5%
6		24	5%
7		20	4.1%
8		19	3.9%
9		6	1.2%
10		13	2.7%
11		2	0.4%
12		7	1.5%
13		5	1%
14		7	1.5%

15		6	1.2%
16		4	0.8%
17		5	1%
18		9	1.9%
19		3	0.6%
20		13	2.7%
21		1	0.2%
22		3	0.6%
23		4	0.8%
25		7	1.5%
26		1	0.2%
27		2	0.4%
28		1	0.2%
29		1	0.2%
30		4	0.8%
31		2	0.4%
33		1	0.2%
36		1	0.2%
40		4	0.8%
42		2	0.4%
45		1	0.2%
46		1	0.2%
48		1	0.2%
50		1	0.2%
55		1	0.2%
60		5	1%
61		1	0.2%
65		1	0.2%
70		1	0.2%
73		1	0.2%
74		1	0.2%
95		2	0.4%
121		1	0.2%
Sysmiss		231	

### L9B: % of Full Time Workers Completed High School End of Last FY

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

## Overview

Valid: 535 Invalid: 178 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)	18	3.4%
0		18	3.4%
1		1	0.2%
3		1	0.2%
5		1	0.2%
6		1	0.2%
10		8	1.5%
15		3	0.6%
20		4	0.7%
23		1	0.2%
28		1	0.2%
30		13	2.4%
40		11	2.1%
50		13	2.4%
52		1	0.2%
60		26	4.9%
62		1	0.2%
65		1	0.2%
70		30	5.6%
80		62	11.6%
85		4	0.7%
90		60	11.2%
95		16	3%
97		1	0.2%
98		7	1.3%
100		232	43.4%
Sysmiss		178	

## L9B1: Number of Full Time Workers Completed High School

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

## Overview

Valid: 178    Invalid: 535    Minimum: 1    Maximum: 115  
 Type: Discrete    Decimal: 0    Width: 3    Range: 1 - 115    Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
1		7	3.9%
2		7	3.9%
3		21	11.8%
4		19	10.7%
5		24	13.5%
6		18	10.1%
7		4	2.2%
8		10	5.6%
9		4	2.2%
10		10	5.6%
11		4	2.2%
12		4	2.2%
13		3	1.7%
14		3	1.7%
15		8	4.5%
16		1	0.6%
17		2	1.1%
18		1	0.6%
20		2	1.1%
23		2	1.1%
24		1	0.6%
25		1	0.6%
27		2	1.1%
30		3	1.7%
32		2	1.1%
34		1	0.6%
35		1	0.6%
36		2	1.1%
40		1	0.6%
41		2	1.1%
45		1	0.6%
46		1	0.6%

50		1	0.6%
55		1	0.6%
59		1	0.6%
68		1	0.6%
69		1	0.6%
115		1	0.6%
Sysmiss		535	

---

## L10: Formal Training Programs For Permanent, Full-Time Employees In Last FY

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

### Overview

Valid: 713 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)	10	1.4%
1	Yes	321	45%
2	No	382	53.6%

---

## L11A: % Permanent Full-Time Production Employees Received Formal Training In Last FY

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

### Overview

Valid: 91 Invalid: 622 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)	16	17.6%
0	No employees trained	2	2.2%
2		1	1.1%
3		2	2.2%
5		2	2.2%
20		4	4.4%

30		1	1.1%
40		1	1.1%
45		1	1.1%
50		5	5.5%
60		3	3.3%
65		1	1.1%
70		1	1.1%
75		2	2.2%
80		9	9.9%
90		4	4.4%
95		2	2.2%
98		1	1.1%
100		33	36.3%
Sysmiss		622	

## L11A1: Training Programs Amount: Production Full-Time Permanent Employees Trained

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

### Overview

Valid: 17 Invalid: 696 Minimum: 1 Maximum: 118  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 118 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	No employees trained	0	0%
1		3	17.6%
2		2	11.8%
3		1	5.9%
4		2	11.8%
5		1	5.9%
6		1	5.9%
7		1	5.9%
8		1	5.9%
10		1	5.9%
11		1	5.9%
12		1	5.9%

29		1	5.9%
118		1	5.9%
Sysmiss		696	

## L11B: % Permanent Fulltime Nonproduction Employees Received Formal Training In Last FY

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

### Overview

Valid: 91 Invalid: 622 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)	16	17.6%
0	No employees trained	16	17.6%
2		2	2.2%
5		2	2.2%
10		5	5.5%
14		1	1.1%
20		4	4.4%
30		1	1.1%
40		2	2.2%
50		6	6.6%
60		4	4.4%
70		3	3.3%
80		2	2.2%
85		1	1.1%
90		2	2.2%
100		24	26.4%
Sysmiss		622	

## L11B1: Training Programs Amount:Non-Production Full-Time Permanent Employees Trained

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

### Overview

Valid: 17 Invalid: 696 Minimum: 0 Maximum: 14  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 14 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	0	0%
0	No employees trained	7	41.2%
1		2	11.8%
2		4	23.5%
5		2	11.8%
12		1	5.9%
14		1	5.9%
Sysmiss		696	

---

## L12A: % Permanent Full-Time Female Employees Received Formal Training In Last FY

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

### Overview

Valid: 318 Invalid: 395 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)	10	3.1%
0	No female employees trained	46	14.5%
1		4	1.3%
2		4	1.3%
3		1	0.3%
5		8	2.5%
10		9	2.8%
13		1	0.3%
16		1	0.3%
17		1	0.3%
18		2	0.6%
20		5	1.6%
25		3	0.9%
30		8	2.5%
33		1	0.3%

34		1	0.3%
36		1	0.3%
40		10	3.1%
50		12	3.8%
55		1	0.3%
60		12	3.8%
65		1	0.3%
70		7	2.2%
80		12	3.8%
90		12	3.8%
95		3	0.9%
100		142	44.7%
Sysmiss		395	

## L12A1: Training Programs Amount: Full-Time Permanent Female Employees Trained

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

### Overview

Valid: 3 Invalid: 710 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%
0	No female employees trained	0	0%
1		1	33.3%
2		1	33.3%
4		1	33.3%
Sysmiss		710	

## L31: In the last FY, number of workers establishment needed to hire

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

### Overview

Valid: 713 Invalid: -9 Minimum: -9 Maximum: 320  
 Type: Discrete Decimal: 0 Width: 3 Range: -9 - 320 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	13	1.8%
0	No need to hire any new permanent full-time workers	561	78.7%
1		12	1.7%
2		26	3.6%
3		16	2.2%
4		9	1.3%
5		17	2.4%
6		7	1%
7		2	0.3%
8		3	0.4%
9		2	0.3%
10		13	1.8%
12		5	0.7%
15		6	0.8%
16		1	0.1%
20		7	1%
25		2	0.3%
28		1	0.1%
30		1	0.1%
31		1	0.1%
40		1	0.1%
60		1	0.1%
63		1	0.1%
83		1	0.1%
88		1	0.1%
100		1	0.1%
200		1	0.1%
320		1	0.1%

---

### L32: In the last FY, number of workers establishment hired

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

#### Overview

Valid: 139    Invalid: 574    Minimum: 0    Maximum: 320  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 320    Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	0	0%
0	No hires	23	16.5%
1		13	9.4%
2		20	14.4%
3		16	11.5%
4		8	5.8%
5		13	9.4%
6		2	1.4%
7		1	0.7%
8		4	2.9%
9		1	0.7%
10		11	7.9%
12		5	3.6%
15		7	5%
18		1	0.7%
20		4	2.9%
25		1	0.7%
28		1	0.7%
30		1	0.7%
40		1	0.7%
60		1	0.7%
83		1	0.7%
88		1	0.7%
100		1	0.7%
180		1	0.7%
320		1	0.7%
Sysmiss		574	

---

### L33: Main reason establishment did not hire more workers in the last FY

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

#### Overview

Valid: 46    Invalid: 667    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	4.3%
1	Non-wage labor costs were too high	7	15.2%
2	Legally required minimum wage or cost of dismissal were too high	0	0%
3	Lack of skilled labor	8	17.4%
4	Competitive labor costs and benefits were too high	3	6.5%
5	Not enough budget or headquarters did not authorize the hiring	12	26.1%
6	Other	14	30.4%
Sysmiss		667	

---

### **L34: In the last 3 yrs., establishment has dismissed any permanent, full-time workers**

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

#### Overview

Valid: 713 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)	4	0.6%
1	Yes	161	22.6%
2	No	548	76.9%

---

### **L35: Typical number of weeks to dismiss full-time permanent worker**

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

#### Overview

Valid: 161 Invalid: 552 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)	5	3.1%

-6	Still in progress	1	0.6%
1	One week or less	102	63.4%
2		10	6.2%
3		7	4.3%
4		19	11.8%
5		1	0.6%
7		1	0.6%
8		2	1.2%
12		3	1.9%
14		2	1.2%
24		1	0.6%
30		7	4.3%
Sysmiss		552	

## L36: Typical number of weeks paid in severance

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

### Overview

Valid: 161 Invalid: 552 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)	48	29.8%
0	No severance was paid	91	56.5%
1		6	3.7%
2		2	1.2%
3		3	1.9%
4		4	2.5%
5		1	0.6%
8		1	0.6%
12		1	0.6%
14		2	1.2%
24		2	1.2%
Sysmiss		552	

**L1A: Num. Part-time Employees At End of Last Fiscal Year****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: -9 Maximum: 2000  
 Type: Discrete Decimal: 0 Width: 4 Range: -9 - 2000 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	5	0.7%
0		457	64.1%
1		12	1.7%
2		19	2.7%
3		23	3.2%
4		23	3.2%
5		26	3.6%
6		13	1.8%
7		9	1.3%
8		18	2.5%
9		3	0.4%
10		12	1.7%
11		2	0.3%
12		7	1%
13		2	0.3%
14		1	0.1%
15		11	1.5%
18		3	0.4%
20		16	2.2%
21		2	0.3%
23		1	0.1%
24		1	0.1%
25		5	0.7%
27		1	0.1%
30		9	1.3%
35		3	0.4%
36		1	0.1%
40		4	0.6%
45		2	0.3%
50		3	0.4%

56		1	0.1%
60		2	0.3%
62		1	0.1%
65		1	0.1%
68		1	0.1%
75		1	0.1%
80		1	0.1%
88		1	0.1%
90		1	0.1%
100		2	0.3%
150		1	0.1%
151		1	0.1%
250		1	0.1%
270		1	0.1%
320		1	0.1%
600		1	0.1%
2000		1	0.1%

## L6: Num. Full-Time Temporary Employees At End of Last FY

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

### Overview

Valid: 713 Invalid: - Minimum: -9 Maximum: 2000  
 Type: Discrete Decimal: 0 Width: 4 Range: -9 - 2000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	26	3.6%
0	No full-time seasonal or temporary workers	477	66.9%
1		8	1.1%
2		20	2.8%
3		15	2.1%
4		17	2.4%
5		23	3.2%
6		15	2.1%
7		4	0.6%
8		12	1.7%

9		2	0.3%
10		16	2.2%
11		4	0.6%
12		4	0.6%
13		5	0.7%
14		2	0.3%
15		9	1.3%
16		1	0.1%
18		3	0.4%
20		10	1.4%
22		1	0.1%
25		4	0.6%
26		1	0.1%
28		2	0.3%
29		1	0.1%
30		4	0.6%
31		1	0.1%
32		1	0.1%
34		1	0.1%
35		2	0.3%
38		2	0.3%
40		4	0.6%
50		1	0.1%
55		2	0.3%
60		1	0.1%
70		1	0.1%
80		1	0.1%
87		1	0.1%
100		2	0.3%
135		1	0.1%
150		3	0.4%
300		1	0.1%
348		1	0.1%
2000		1	0.1%

#### L6A: Female Temporary, Full-Time Workers Employed Throughout Last FY

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

## Overview

Valid: 210   Invalid: 503   Minimum: -9   Maximum: 1200  
 Type: Discrete   Decimal: 0   Width: 4   Range: -9 - 1200   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	4	1.9%
0		61	29%
1		29	13.8%
2		35	16.7%
3		19	9%
4		10	4.8%
5		13	6.2%
6		8	3.8%
7		3	1.4%
8		4	1.9%
10		6	2.9%
11		1	0.5%
13		1	0.5%
14		1	0.5%
15		2	1%
16		1	0.5%
18		4	1.9%
19		1	0.5%
20		1	0.5%
25		1	0.5%
40		1	0.5%
60		1	0.5%
61		1	0.5%
120		1	0.5%
1200		1	0.5%
Sysmiss		503	

## L8: Avg. Length of Employment of All Full-Time Temporary Employees In Last FY

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

## Overview

Valid: 210   Invalid: 503   Minimum: -9   Maximum: 12

Type: Discrete Decimal: 0 Width: 2 Range: -9 - 12 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	14	6.7%
1	One month or less	46	21.9%
2		9	4.3%
3		29	13.8%
4		9	4.3%
5		6	2.9%
6		28	13.3%
7		2	1%
8		3	1.4%
10		3	1.4%
11		1	0.5%
12		60	28.6%
Sysmiss		503	

---

## L37: In the last 3 yrs., establishment has been involved in any labor dispute

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

### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	9	1.3%
1	Yes	28	3.9%
2	No	676	94.8%

---

## L38: Typical number of weeks to resolve labor dispute

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

### Overview

Valid: 28 Invalid: 685 Minimum: -9 Maximum: 15

Type: Discrete   Decimal: 0   Width: 2   Range: -9 - 15   Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	2	7.1%
-7	No dispute has been resolved	2	7.1%
1	One month or less	17	60.7%
2		3	10.7%
3		1	3.6%
6		1	3.6%
8		1	3.6%
15		1	3.6%
Sysmiss		685	

---

## L39: Cost to resolve labor dispute

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

### Overview

Valid: 26   Invalid: 687   Minimum: -9   Maximum: 100000  
 Type: Discrete   Decimal: 0   Width: 6   Range: -9 - 100000   Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	13	50%
0		5	19.2%
700		1	3.8%
1000		2	7.7%
3500		1	3.8%
7000		1	3.8%
10000		1	3.8%
35000		1	3.8%
100000		1	3.8%
Sysmiss		687	

---

**L40: In last FY, was establishment visited by health and safety inspectors****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	6	0.8%
1	Yes	391	54.8%
2	No	316	44.3%

**L41: Was a report issued for health and safety inspection****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 391 Invalid: 322 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	3	0.8%
-5	No inspection has been concluded	7	1.8%
1	Yes	220	56.3%
2	No	161	41.2%
Sysmiss		322	

**L30A: How Much of An Obstacle: Labor Regulations?****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	4	0.6%
-7	Does not apply	1	0.1%
0	No obstacle	465	65.2%
1	Minor obstacle	192	26.9%
2	Moderate obstacle	41	5.8%
3	Major obstacle	8	1.1%
4	Very severe obstacle	2	0.3%

### L30B: How Much of An Obstacle: Inadequately Educated Workforce?

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

#### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	3	0.4%
-7	Does not apply	1	0.1%
0	No obstacle	413	57.9%
1	Minor obstacle	199	27.9%
2	Moderate obstacle	60	8.4%
3	Major obstacle	30	4.2%
4	Very severe obstacle	7	1%

### M1A: Biggest Obstacle Affecting The Operation of This Establishment

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

#### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 15 Format: Numeric

#### Questions and instructions

##### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	5	0.7%

-7	Does not apply	12	1.7%
1	Access to finance	309	43.3%
2	Access to land	29	4.1%
3	Business licensing and permits	6	0.8%
4	Corruption	23	3.2%
5	Courts	2	0.3%
6	Crime, theft and disorder	15	2.1%
7	Customs and trade regulations	12	1.7%
8	Electricity	55	7.7%
9	Inadequately educated workforce	9	1.3%
10	Labor regulations	5	0.7%
11	Political instability	20	2.8%
12	Practices of competitors in the informal sector	27	3.8%
13	Tax administration	17	2.4%
14	Tax rates	158	22.2%
15	Transport	9	1.3%

## M1A\_FINANCE\_POS: m1a: Position of Access to Finance

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		40	5.6%
2		46	6.5%
3		45	6.3%
4		48	6.7%
5		35	4.9%
6		35	4.9%
7		32	4.5%
8		33	4.6%
9		49	6.9%
10		42	5.9%
11		81	11.4%

12		75	10.5%
13		52	7.3%
14		50	7%
15		50	7%

---

## M1A\_LAND\_POS: m1a: Position of Access to land

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		48	6.7%
2		48	6.7%
3		35	4.9%
4		40	5.6%
5		45	6.3%
6		44	6.2%
7		30	4.2%
8		53	7.4%
9		36	5%
10		44	6.2%
11		78	10.9%
12		55	7.7%
13		64	9%
14		49	6.9%
15		44	6.2%

---

## M1A\_PERMIT\_POS: m1a: Position of Business licensing and permits

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		53	7.4%
2		44	6.2%
3		39	5.5%
4		29	4.1%
5		37	5.2%
6		42	5.9%
7		45	6.3%
8		35	4.9%
9		40	5.6%
10		44	6.2%
11		70	9.8%
12		58	8.1%
13		67	9.4%
14		57	8%
15		53	7.4%

---

### M1A\_CORRUPTION\_POS: m1a: Position of corruption

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

#### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

#### Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		51	7.2%
2		40	5.6%
3		41	5.8%
4		36	5%
5		37	5.2%
6		38	5.3%
7		49	6.9%
8		30	4.2%

9		42	5.9%
10		52	7.3%
11		69	9.7%
12		72	10.1%
13		55	7.7%
14		47	6.6%
15		54	7.6%

---

## M1A\_COURTS\_POS: m1a: Position of Courts

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		50	7%
2		43	6%
3		40	5.6%
4		59	8.3%
5		28	3.9%
6		38	5.3%
7		34	4.8%
8		40	5.6%
9		36	5%
10		41	5.8%
11		76	10.7%
12		73	10.2%
13		62	8.7%
14		49	6.9%
15		44	6.2%

---

## M1A\_CRIME\_POS: m1a: Position of Crime, theft and disorder

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

## Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

## Questions and instructions

---

CATEGORIES

Value	Category	Cases	
1		52	7.3%
2		42	5.9%
3		38	5.3%
4		51	7.2%
5		45	6.3%
6		31	4.3%
7		27	3.8%
8		44	6.2%
9		42	5.9%
10		44	6.2%
11		78	10.9%
12		57	8%
13		56	7.9%
14		55	7.7%
15		51	7.2%

---

## M1A\_TRADE\_POS: m1a: Position of Customs and trade regulations

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

## Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

## Questions and instructions

---

CATEGORIES

Value	Category	Cases	
1		43	6%
2		37	5.2%
3		48	6.7%
4		41	5.8%
5		52	7.3%

6		56	7.9%
7		31	4.3%
8		35	4.9%
9		51	7.2%
10		34	4.8%
11		69	9.7%
12		70	9.8%
13		54	7.6%
14		48	6.7%
15		44	6.2%

## M1A\_ELECTRICITY\_POS: m1a: Position of Electricity

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		30	4.2%
2		42	5.9%
3		39	5.5%
4		47	6.6%
5		56	7.9%
6		47	6.6%
7		55	7.7%
8		47	6.6%
9		39	5.5%
10		36	5%
11		67	9.4%
12		60	8.4%
13		53	7.4%
14		47	6.6%
15		48	6.7%

**M1A\_WORKFORCE\_POS: m1a: Position of Inadequately educated workforce****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		18	2.5%
2		44	6.2%
3		34	4.8%
4		33	4.6%
5		45	6.3%
6		44	6.2%
7		43	6%
8		51	7.2%
9		38	5.3%
10		55	7.7%
11		63	8.8%
12		73	10.2%
13		52	7.3%
14		72	10.1%
15		48	6.7%

**M1A\_LABOR\_POS: m1a: Position of Labor regulations****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		15	2.1%
2		32	4.5%
3		38	5.3%

4		41	5.8%
5		39	5.5%
6		48	6.7%
7		75	10.5%
8		55	7.7%
9		49	6.9%
10		35	4.9%
11		62	8.7%
12		60	8.4%
13		63	8.8%
14		67	9.4%
15		34	4.8%

## M1A\_INSTABILITY\_POS: m1a: Position of Political instability

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

### Overview

Valid: 713 Invalid: 0 Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		51	7.2%
2		40	5.6%
3		60	8.4%
4		59	8.3%
5		44	6.2%
6		60	8.4%
7		50	7%
8		38	5.3%
9		43	6%
10		45	6.3%
12		60	8.4%
13		58	8.1%
14		63	8.8%
15		42	5.9%

**M1A\_INFORMAL\_POS: m1a: Position of Practices of competitors in the informal sector****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

**Questions and instructions**

## CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		58	8.1%
2		57	8%
3		57	8%
4		61	8.6%
5		48	6.7%
6		45	6.3%
7		49	6.9%
8		57	8%
9		51	7.2%
10		44	6.2%
13		77	10.8%
14		58	8.1%
15		51	7.2%

**M1A\_TAXADMIN\_POS: m1a: Position of Tax administration****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

**Questions and instructions**

## CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1		51	7.2%
2		61	8.6%
3		71	10%
4		61	8.6%
5		54	7.6%

6		56	7.9%
7		52	7.3%
8		56	7.9%
9		58	8.1%
10		63	8.8%
14		51	7.2%
15		79	11.1%

---

## M1A\_TAXRATE\_POS: m1a: Position of Tax rates

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		72	10.1%
2		61	8.6%
3		63	8.8%
4		60	8.4%
5		70	9.8%
6		58	8.1%
7		66	9.3%
8		73	10.2%
9		70	9.8%
10		49	6.9%
15		71	10%

---

## M1A\_TRANSPORT\_POS: m1a: Position of Transport

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 10 Format: Numeric

## Questions and instructions

---

CATEGORIES

Value	Category	Cases	
1		81	11.4%
2		76	10.7%
3		65	9.1%
4		47	6.6%
5		78	10.9%
6		71	10%
7		75	10.5%
8		66	9.3%
9		69	9.7%
10		85	11.9%

---

## N2A: Total Labor Cost (Incl. Wages, Salaries, Bonuses, Etc) In Last Fiscal Year

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

### Overview

Valid: 713 Invalid: -9 Minimum: 100000000 Maximum: 1000000000  
 Type: Discrete Decimal: 0 Width: 9 Range: -9 - 100000000 Format: Numeric

## Questions and instructions

---

CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	68	100%

---

## N2A2: Social security payments and employment-based taxes

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

### Overview

Valid: 645 Invalid: 68 Minimum: -9 Maximum: 9785185  
 Type: Discrete Decimal: 0 Width: 7 Range: -9 - 9785185 Format: Numeric

## Questions and instructions

---

CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	84	100%

Sysmiss

68

**N2B: Total Annual Costs of Electricity In Last Fiscal Year****Data file: Ghana-2023-full-data.dta****Overview**

Valid: 713 Invalid: Minimum: -9 Maximum: 13400000  
 Type: Discrete Decimal: 0 Width: 8 Range: -9 - 13400000 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	48	100%

**N2K: Total Annual Cost of Water****Data file: Ghana-2023-full-data.dta****Overview**

Valid: 713 Invalid: Minimum: -9 Maximum: 3240000  
 Type: Discrete Decimal: 0 Width: 7 Range: -9 - 3240000 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	117	100%

**N2L: Total Annual Cost of high-speed, fixed broadband internet****Data file: Ghana-2023-full-data.dta****Overview**

Valid: 713 Invalid: Minimum: -9 Maximum: 717765  
 Type: Discrete Decimal: 0 Width: 6 Range: -9 - 717765 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	171	100%
-7	Does not apply	0	0%

**N2E: Cost of Raw Materials And Intermediate Goods Used In Prod. In Last Fiscal Year****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 231 Invalid: 482 Minimum: -9 Maximum: 2049641834  
 Type: Discrete Decimal: 0 Width: 10 Range: -9 - 2049641834 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	67	100%
Sysmiss		482	

**N2I: Total Annual Cost of Finished Goods/Materials Bought To Resell In Last FY****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 132 Invalid: 581 Minimum: -9 Maximum: 120000000  
 Type: Discrete Decimal: 0 Width: 9 Range: -9 - 120000000 Format: Numeric

**Questions and instructions****CATEGORIES**

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	41	31.1%
0		1	0.8%
3000		1	0.8%
5700		1	0.8%
6000		3	2.3%
9000		1	0.8%
10000		1	0.8%
12000		1	0.8%
15000		1	0.8%
19500		1	0.8%
20000		1	0.8%
25000		1	0.8%
25846		1	0.8%
30000		3	2.3%

35000		1	0.8%
40000		1	0.8%
45694		1	0.8%
52000		1	0.8%
53214		1	0.8%
53288		1	0.8%
60000		1	0.8%
70000		2	1.5%
80000		2	1.5%
85629		1	0.8%
90000		3	2.3%
96000		1	0.8%
100000		1	0.8%
120000		1	0.8%
125000		1	0.8%
126000		1	0.8%
150000		2	1.5%
200000		2	1.5%
242000		1	0.8%
250000		1	0.8%
350000		1	0.8%
355000		1	0.8%
400000		1	0.8%
452800		1	0.8%
470000		1	0.8%
500000		1	0.8%
520000		1	0.8%
580000		1	0.8%
584000		1	0.8%
600000		1	0.8%
700000		1	0.8%
734000		1	0.8%
734128		1	0.8%
800000		3	2.3%
838000		1	0.8%
850000		1	0.8%
916550		1	0.8%
1000000		3	2.3%
2000000		3	2.3%

2110000		1	0.8%
2214886		1	0.8%
2433255		1	0.8%
2500000		1	0.8%
2650000		1	0.8%
3200000		1	0.8%
3500000		1	0.8%
3987000		1	0.8%
4000000		1	0.8%
5000000		1	0.8%
5862246		1	0.8%
6000000		1	0.8%
6540000		1	0.8%
8280000		1	0.8%
8500000		1	0.8%
9116436		1	0.8%
10000000		1	0.8%
11900000		1	0.8%
26000000		1	0.8%
30000000		1	0.8%
52147354		1	0.8%
57825088		1	0.8%
120000000		1	0.8%
Sysmiss		581	

## N2A1: Total Labor Cost (Incl. Wages, Salaries, Bonuses, Etc) 2 fiscal years ago

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

### Overview

Valid: 231 Invalid: 482 Minimum: -9 Maximum: 421055346  
 Type: Discrete Decimal: 0 Width: 9 Range: -9 - 421055346 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	69	100%
Sysmiss		482	

**N2E1: Total Cost of Raw Materials And Intermediate Goods Used In Production****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 231 Invalid: 482 Minimum: -9 Maximum: 170000000  
 Type: Discrete Decimal: 0 Width: 9 Range: -9 - 170000000 Format: Numeric

**Questions and instructions**

## CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	77	100%
-7	Does not apply	0	0%
Sysmiss		482	

**N7A: Cost For Establishment To Re-Purchase All of Its Machinery****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 231 Invalid: 482 Minimum: -9 Maximum: 2000000000  
 Type: Discrete Decimal: 0 Width: 10 Range: -9 - 2000000000 Format: Numeric

**Questions and instructions**

## CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-9	Don't know (spontaneous)	105	45.5%
0		4	1.7%
25		2	0.9%
30		1	0.4%
2000		2	0.9%
2356		1	0.4%
5324		1	0.4%
6000		2	0.9%
9500		1	0.4%
20000		3	1.3%
26000		1	0.4%
30000		3	1.3%
35000		2	0.9%
40000		1	0.4%
50000		4	1.7%

56000		1	0.4%
60000		1	0.4%
61500		1	0.4%
76000		1	0.4%
100000		2	0.9%
119000		1	0.4%
120000		2	0.9%
150000		3	1.3%
160000		1	0.4%
180000		1	0.4%
200000		2	0.9%
250000		3	1.3%
300000		4	1.7%
320000		1	0.4%
380000		1	0.4%
400000		1	0.4%
420000		1	0.4%
450000		1	0.4%
482000		1	0.4%
500000		2	0.9%
550000		1	0.4%
600000		3	1.3%
700000		2	0.9%
800000		3	1.3%
1000000		5	2.2%
1400000		1	0.4%
1500000		4	1.7%
1560000		1	0.4%
1700000		1	0.4%
2000000		6	2.6%
2300000		1	0.4%
2500000		2	0.9%
2600000		1	0.4%
3000000		4	1.7%
3234823		1	0.4%
3500000		2	0.9%
4000000		2	0.9%
5000000		6	2.6%
5307300		1	0.4%

6000000		1	0.4%
6500000		1	0.4%
7000000		1	0.4%
8000000		1	0.4%
9000000		1	0.4%
10000000		1	0.4%
10245000		1	0.4%
12000000		4	1.7%
39000000		1	0.4%
40000000		2	0.9%
50000000		1	0.4%
100000000		1	0.4%
156800000		1	0.4%
300000000		1	0.4%
400000000		1	0.4%
2000000000		1	0.4%
Sysmiss		482	

## N11: Effective income-based tax rate

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

### Overview

Valid: 713 Invalid: Minimum: -9 Maximum: 94  
 Type: Discrete Decimal: 0 Width: 2 Range: -9 - 94 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know (spontaneous)	171	24%
-8	Refusal (spontaneous)	76	10.7%
0		8	1.1%
1		3	0.4%
2		7	1%
3		6	0.8%
4		6	0.8%
5		27	3.8%
6		7	1%
7		7	1%

8		10	1.4%
9		2	0.3%
10		104	14.6%
12		9	1.3%
13		1	0.1%
14		1	0.1%
15		34	4.8%
16		3	0.4%
17		3	0.4%
18		7	1%
19		3	0.4%
20		34	4.8%
21		3	0.4%
22		3	0.4%
23		2	0.3%
24		1	0.1%
25		47	6.6%
26		2	0.3%
27		1	0.1%
28		1	0.1%
30		31	4.3%
35		8	1.1%
36		1	0.1%
38		3	0.4%
40		18	2.5%
42		1	0.1%
43		1	0.1%
45		11	1.5%
46		2	0.3%
48		3	0.4%
50		37	5.2%
60		3	0.4%
64		1	0.1%
70		1	0.1%
80		2	0.3%
94		1	0.1%

## N12: Effective consumption tax rate

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

### Overview

Valid: 713 Invalid: 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)	202	28.3%
-8	Refusal (spontaneous)	70	9.8%
0		20	2.8%
1		3	0.4%
2		4	0.6%
3		8	1.1%
4		3	0.4%
5		32	4.5%
6		4	0.6%
7		5	0.7%
8		11	1.5%
9		5	0.7%
10		98	13.7%
11		2	0.3%
12		23	3.2%
13		2	0.3%
14		2	0.3%
15		37	5.2%
16		3	0.4%
17		1	0.1%
18		8	1.1%
19		4	0.6%
20		27	3.8%
21		1	0.1%
22		4	0.6%
23		4	0.6%
25		29	4.1%
28		1	0.1%
30		31	4.3%
32		1	0.1%

35		10	1.4%
37		1	0.1%
38		2	0.3%
40		20	2.8%
41		1	0.1%
42		1	0.1%
43		1	0.1%
45		9	1.3%
46		2	0.3%
48		3	0.4%
49		2	0.3%
50		14	2%
70		1	0.1%
90		1	0.1%

## A15D: Day

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

### Overview

Valid: 713 Invalid: 1 Minimum: 1 Maximum: 31  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 31 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		19	2.7%
2		20	2.8%
3		16	2.2%
4		11	1.5%
5		11	1.5%
6		21	2.9%
7		20	2.8%
8		26	3.6%
9		21	2.9%
10		11	1.5%
11		35	4.9%
12		29	4.1%
13		31	4.3%

14		35	4.9%
15		36	5%
16		45	6.3%
17		39	5.5%
18		30	4.2%
19		23	3.2%
20		28	3.9%
21		27	3.8%
22		25	3.5%
23		9	1.3%
24		23	3.2%
25		20	2.8%
26		17	2.4%
27		18	2.5%
28		31	4.3%
29		14	2%
30		8	1.1%
31		14	2%

## A15M: Month

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

### Overview

Valid: 713 Invalid: 0 Minimum: 1 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 11 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		9	1.3%
2		55	7.7%
3		126	17.7%
4		35	4.9%
5		78	10.9%
6		24	3.4%
7		47	6.6%
8		159	22.3%
9		100	14%

10		77	10.8%
11		3	0.4%

## A15Y: Year

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

### Overview

Valid: 713 Invalid: Minimum: 2023 Maximum: 2024  
 Type: Discrete Decimal: 0 Width: 4 Range: 2023 - 2024 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
2023		698	97.9%
2024		15	2.1%

## A15H: Hour

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

### Overview

Valid: 713 Invalid: Minimum: 6 Maximum: 23  
 Type: Discrete Decimal: 0 Width: 2 Range: 6 - 23 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
6		4	0.6%
7		4	0.6%
8		9	1.3%
9		29	4.1%
10		52	7.3%
11		73	10.2%
12		85	11.9%
13		94	13.2%
14		87	12.2%
15		91	12.8%
16		66	9.3%
17		49	6.9%

18		32	4.5%
19		19	2.7%
20		9	1.3%
21		4	0.6%
22		5	0.7%
23		1	0.1%

## A15MIN: Minutes

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

### Overview

Valid: 713 Invalid: 0 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: Ghana-2023-full-data.dta

### Overview

Valid: 713 Invalid: 0 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Truthful	505	70.8%
2	Somewhat truthful	204	28.6%
3	Not truthful	4	0.6%

## A17: Responses To The Questions About Figures Areâ€!

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

### Overview

Valid: 713 Invalid: 0 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	288	40.4%
2	Are estimates computed with some precision	255	35.8%
3	Are arbitrary and unreliable numbers	29	4.1%
4	Are in some case taken from books and in some case estimates	141	19.8%

## A18: This Questionnaire Was Completed In:

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

### Overview

Valid: 713 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	615	86.3%
2	One visit in face-to-face interview with different managers/staff	36	5%
3	Several visits	62	8.7%

## A19H: If Option 2 or 3 In A.18, Estimate Duration of The Whole Interview: Hours

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

### Overview

Valid: 98 Invalid: 615 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		39	39.8%
2		32	32.7%
3		22	22.4%
4		5	5.1%
Sysmiss		615	

## A19M: If Option 2 or 3 In A.18, Estimate Duration of The Whole Interview: Minutes

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

## Overview

Valid: 98    Invalid: 615    Minimum: 0    Maximum: 56  
 Type: Discrete    Decimal: 0    Width: 2    Range: 0 - 56    Format: Numeric

## Questions and instructions

---

### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
0		17	17.3%
1		14	14.3%
2		2	2%
4		2	2%
6		3	3.1%
7		2	2%
8		1	1%
10		4	4.1%
15		6	6.1%
20		5	5.1%
25		1	1%
28		1	1%
29		1	1%
30		14	14.3%
33		1	1%
34		1	1%
35		5	5.1%
36		1	1%
37		1	1%
38		1	1%
40		5	5.1%
44		1	1%
45		3	3.1%
46		1	1%
47		1	1%
49		1	1%
50		2	2%
56		1	1%
Sysmiss		615	

---

## A13: Supervisor Number

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 8 Format: Numeric

### Questions and instructions

---

CATEGORIES

Value	Category	Cases	
1		38	5.3%
2		88	12.3%
3		75	10.5%
4		133	18.7%
5		30	4.2%
6		35	4.9%
7		44	6.2%
8		270	37.9%

---

## A3B: official Capital City?

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

### Overview

Valid: 713 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	275	38.6%
2	No	438	61.4%

---

## A3C: Main Business City?

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

### Overview

Valid: 713 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	712	99.9%
2	No	1	0.1%

---

## A3: Size of Locality

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

### Overview

Valid: 713 Invalid: \* Maximum: \*  
 Type: Discrete Decimal: 0 Width: 1 Range: - \* Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category
2	City with population over 1 million
3	Over 250.000 to 1 million
4	50.000 to 250.000
5	Less than 50.000
Sysmiss	

---

## D1A2\_V4: Main Product/Service ISIC (Rev. 4) Code

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

### Overview

Valid: 713 Invalid: Minimum: 1040 Maximum: 9524  
 Type: Continuous Decimal: 0 Width: 4 Range: 1040 - 9524 Format: Numeric

---

## STRATIFICATIONREGIONCODE: stratification region code

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

### Overview

Valid: 713 Invalid: Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

## Questions and instructions

---

## CATEGORIES

Value	Category	Cases	
1	Greater Accra-Eastern-Volta-Oti	298	41.8%
2	Ashanti-Bono-Bono East-Ahafo	172	24.1%
3	Western-North Western-Central	123	17.3%
4	Northern-Savannah-North East Upper East-Upper West	120	16.8%

---

**STRATIFICATIONSIZECODE: stratification size code****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Small (5-19)	338	47.4%
2	Medium (20-99)	198	27.8%
3	Large (100 or more)	52	7.3%
4	Unknown	89	12.5%
5	Medium and Large (20+)	36	5%

---

**STRATIFICATIONSECTORCODE: stratification sector code****Data file:** Ghana-2023-full-data.dta**Overview**

Valid: 713 Invalid: Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Food and Beverages	95	13.3%
2	Other Manufacturing	198	27.8%
3	Retail	123	17.3%
4	Hotels	111	15.6%
5	Other Services	186	26.1%

## STRATIFICATIONPANELCODE: panel code

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

### Overview

Valid: 713 Invalid: 0 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	Fresh	565	79.2%
1	Panel	148	20.8%

## WSTRICT: Weight according to strict eligibility

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

### Overview

Valid: 713 Invalid: 0 Minimum: 1 Maximum: 17.0771999359131  
 Type: Continuous Decimal: 2 Width: 5 Range: 1 - 17.0771999359131 Format: Numeric

## WMEDIAN: Weight according to median eligibility

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

### Overview

Valid: 713 Invalid: 0 Minimum: 1 Maximum: 75.3307876586914  
 Type: Continuous Decimal: 2 Width: 5 Range: 1 - 75.3307876586914 Format: Numeric

## WWEAK: Weight according to weak eligibility

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

### Overview

Valid: 713 Invalid: 0 Minimum: 1 Maximum: 112.954864501953  
 Type: Continuous Decimal: 2 Width: 6 Range: 1 - 112.954864501953 Format: Numeric

## STRATA: see notes

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

## Overview

Valid: 713    Invalid:    Minimum: 1    Maximum: 104  
Type: Continuous    Decimal: 0    Width: 3    Range: 1 - 104    Format: Numeric

---

# **study\_resources**

## **questionnaires**

### **Ghana World Bank Enterprise Survey 2023, Questionnaire**

---

title Ghana World Bank Enterprise Survey 2023, Questionnaire

authors The World Bank Group

country Ghana

language English

filename ES\_B-READY\_2023\_Questionnaire.pdf

---

## **technical\_documents**

### **The Ghana 2023 World Bank Enterprise Survey, Implementation Report**

---

title The Ghana 2023 World Bank Enterprise Survey, Implementation Report

authors The World Bank Group

country Ghana

language English

filename Ghana\_2023\_ES\_Implementation\_Report.pdf

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