

Uganda - Enterprise Survey 2013, Innovation Follow-up Survey

World Bank

Report generated on: July 11, 2014

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Sampling

Sampling Procedure

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

Response Rate

59 firms refused to participate in the survey.

Weighting

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

Questionnaires

No content available

Data Collection

Data Collection Dates

| Start | End | Cycle |
|---------|---------|-------|
| 2013-09 | 2014-01 | N/A |

Data Collection Mode

Face-to-face [f2f]

Data Collectors

| Name | Abbreviation | Affiliation |
|-----------------------------|--------------|-------------|
| TNS RMS East Africa Limited | | |

Data Processing

No content available

Data Appraisal

No content available

File Description

Variable List

uganda_2013_innovation_data

Content

Cases 449

Variable(s) 190

Structure
Type:
Keys: ()

Version

Producer

Missing Data

Variables

| ID | Name | Label | Type | Format | Question |
|-----|------------|--|----------|-----------|--|
| V1 | idstd | WEB STD FIRMID | contin | numeric | |
| V2 | id | Questionnaire number | contin | numeric | |
| V3 | recnumber | Record number | contin | numeric | |
| V4 | preference | Preference | discrete | numeric | |
| V5 | a4a | a4a Industry Sampling Sector | discrete | numeric | |
| V6 | a4b | a4b Industry Screener Sector | discrete | numeric | |
| V7 | a6a | a6a Sampling Size | discrete | numeric | |
| V8 | a6b | a6b Screener Size | discrete | numeric | |
| V9 | b5 | Year firm began operations | discrete | numeric | |
| V10 | ha0 | Questionnaire | discrete | numeric | |
| V11 | ha14d | Day when the interview begins | contin | numeric | |
| V12 | ha14m | Month when the interview begins | discrete | numeric | |
| V13 | ha14y | Year when the interview begins | discrete | numeric | |
| V14 | ha14h | Hour when the interview begins | discrete | numeric | |
| V15 | ha14min | Minutes when the interview begins | contin | numeric | |
| V16 | ha0b | Same respondent as the ES | discrete | numeric | |
| V17 | hb1 | Did the firm introduce any innovative product or service? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce any innovative product or service? |
| V18 | hb2 | How many innovative products or services did the firm introduced? | discrete | numeric | From fiscal year 2010 thru 2012, how many innovative products or services did this establishment introduce? |
| V19 | hb3 | Percentage of sales from all innovative products | discrete | numeric | In fiscal year 2012, what percentage of this establishment's total sales was represented by sales from all innovative products or services introduced from fiscal year 2010 thru 2012? |
| V20 | hb5x | Describe the main innovative product or service that the firm introduced | discrete | character | Please describe in detail the main innovative product or service that this establishment introduced from fiscal year 2010 thru 2012. |
| V21 | hb6 | Year the main innovative product or service was introduced | discrete | numeric | In which year did this establishment introduce the main innovative product or service? |

| ID | Name | Label | Type | Format | Question |
|-----|-------|---|----------|-----------|---|
| V22 | hb4 | Percentage of the main innovative product or service | discrete | numeric | In fiscal year 2012, what percentage of this establishment's total sales was represented by sales from the main innovative product or service? |
| V23 | hb7x | How the main innovative product/service is different than the most similar one? | discrete | character | Please describe in detail how the main innovative product or service is different than the most similar product or service, if any, previously produced by this establishment |
| V24 | hb7 | The product or service is completely new | discrete | numeric | Please describe in detail how the main innovative product or service is different than the most similar product or service, if any, previously produced by this establishment . The product or service is completely new, there are no similar products |
| V25 | hb9a | Does the main innovative product/service have completely new functions? | discrete | numeric | |
| V26 | hb9b | Is it cheaper to produce or offer? | discrete | numeric | I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment. |
| V27 | hb9c | Is it a better quality product/service? | discrete | numeric | I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment. |
| V28 | hb9d | Does it use different inputs? | discrete | numeric | I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment. |
| V29 | hb9f | Is it based on a techno/indust. design not already used by the firm? | discrete | numeric | I will now ask you a few questions about the main innovative product or service compared with all other products and services already produced in this establishment. |
| V30 | hb10a | To replace a product or service offered by firm | discrete | numeric | Do any of the following describe why this establishment introduced this main innovative product: |
| V31 | hb10b | To extend the range of products or service offered by firm | discrete | numeric | Do any of the following describe why this establishment introduced this main innovative product: |
| V32 | hb10c | To open up new markets or increase market share | discrete | numeric | Do any of the following describe why this establishment introduced this main innovative product: |
| V33 | hb10d | To decrease the cost of production or offering the service | discrete | numeric | Do any of the following describe why this establishment introduced this main innovative product: |
| V34 | hb10e | To offer products or service already offered by competitors | discrete | numeric | Do any of the following describe why this establishment introduced this main innovative product: |
| V35 | hb10f | To comply with regulations or standards | discrete | numeric | Do any of the following describe why this establishment introduced this main innovative product: |
| V36 | hb10g | To deal with a decrease in the demand for other products or service | discrete | numeric | Do any of the following describe why this establishment introduced this main innovative product: |
| V37 | hb11a | The main innovative product : New to the local market | discrete | numeric | When this main innovative product or service was introduced by this establishment, was it |
| V38 | hb11b | The main innovative product : New to the national market | discrete | numeric | When this main innovative product or service was introduced by this establishment, was it |

| ID | Name | Label | Type | Format | Question |
|-----|-------|---|----------|---------|--|
| V39 | hb11c | The main innovative product : New to the international market | discrete | numeric | When this main innovative product or service was introduced by this establishment, was it |
| V40 | hb12 | How did the firm develop the idea for this main innovative product/service? | discrete | numeric | How did this establishment develop the idea for this main innovative product or service? |
| V41 | hb13 | Was the main innovative product or service developed entirely by firm? | discrete | numeric | Was the main innovative product or service developed entirely by this establishment? |
| V42 | hb14 | Was the main innovative product or service developed entirely by another firm? | discrete | numeric | Was the main innovative product or service developed entirely by another firm (e.g. headquarter, sister company or any other firm within your company or independent from your company)? |
| V43 | hb15a | Developed in cooperation with: Any domestic firms | discrete | numeric | Was the main innovative product or service developed in cooperation with any of the following? |
| V44 | hb15b | Developed in cooperation with: Any foreign firms or a foreign-owned parent firm | discrete | numeric | Was the main innovative product or service developed in cooperation with any of the following? |
| V45 | hb15c | Developed in cooperation with: Domestic academic or research institutions | discrete | numeric | Was the main innovative product or service developed in cooperation with any of the following? |
| V46 | hb15d | Developed in cooperation with: Foreign academic or research institutions | discrete | numeric | Was the main innovative product or service developed in cooperation with any of the following? |
| V47 | hb15e | Developed in cooperation with: Private consulting company or individuals | discrete | numeric | Was the main innovative product or service developed in cooperation with any of the following? |
| V48 | hb15f | Developed in cooperation with: Government | discrete | numeric | Was the main innovative product or service developed in cooperation with any of the following? |
| V49 | hb16 | Were employees hired for the purpose of developing the main innovative product? | discrete | numeric | Were employees hired specifically for the purpose of developing the main innovative product or service? |
| V50 | hb17 | Number of skilled workers increased, decreased or remained the same? | discrete | numeric | From fiscal year 2010 thru 2012, as a consequence of introducing any innovative product or service, did the number of skilled workers employed by the establishment increase, decrease or remain the same? |
| V51 | hb18 | Number of unskilled workers increased, decreased or remained the same? | discrete | numeric | From fiscal year 2010 thru 2012, as a consequence of introducing any innovative product or service, did the number of unskilled workers employed by the establishment increase, decrease or remain the same? |
| V52 | hb19a | Attempt to develop innovative product: Abandoned/suspended before completion | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment attempt to develop an innovative product or service that was |
| V53 | hb19b | Attempt to develop innovative product: Ongoing at the end of fiscal year 2012 | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment attempt to develop an innovative product or service that was |
| V54 | hc1 | Introduced any innovative methods of manufacturing products/offering services? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce any innovative methods of manufacturing products or offering services? |
| V55 | hc2 | Introduced any innovative logistics, del./dist. methods/ products/services? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce any innovative logistics, delivery, or distribution methods for inputs, products, or services? |

| ID | Name | Label | Type | Format | Question |
|-----|-------|---|----------|-----------|--|
| V56 | hc3 | Introduced any innovative supporting activity for processes? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce any innovative supporting activity for processes, such as maintenance systems or operations for purchasing, accounting, or computing? |
| V57 | hc4 | ANY or NONE of above 3 questions are "yes" | discrete | numeric | |
| V58 | hc5x | Describe in detail firm's main innovative process | discrete | character | Please describe in detail this establishment's main innovative process |
| V59 | hc6 | Year the most important innovative process was introduced | discrete | numeric | In which year did this establishment introduce this most important innovative process? |
| V60 | hc7x | How the innovative process is different from the most similar process | discrete | character | Please describe in detail how the innovative process is different from the most similar process, if any, that is or was used by this establishment |
| V61 | hc7 | The process is completely new, there is no similar process | discrete | numeric | Please describe in detail how the innovative process is different from the most similar process, if any, that is or was used by this establishment. The process is completely new, there is no similar process |
| V62 | hc8a | The most important innovative process: Automate manual processes? | discrete | numeric | Does the most important innovative process |
| V63 | hc8b | The most important innovative process: Adapt a technology used by firm? | discrete | numeric | Does the most important innovative process |
| V64 | hc8c | The most important innovative process: Introduce a new technology or method? | discrete | numeric | Does the most important innovative process |
| V65 | hc8d | The most important innovative process: Use efficient tech. already used by firm | discrete | numeric | Does the most important innovative process: Use a more efficient technology or method already used by this establishment |
| V66 | hc9 | Most imp. inno. process associated with an inno.product introduced by firm? | discrete | numeric | Is the most important innovative process associated with an innovative product or service introduced by this establishment? |
| V67 | hc10a | Introduced the most imp. inno. pro.: To increase quality of products/services | discrete | numeric | Do any of the following describe why this establishment introduced the most important innovative process? To increase the quality of products or services |
| V68 | hc10b | Introduced the most imp. inno. pro.: To increase total prod./amount of services | discrete | numeric | Do any of the following describe why this establishment introduced the most important innovative process? To increase the total production or amount of services offered |
| V69 | hc10c | Introduced the most imp. inno. pro.: To increase flexibility of prod./service | discrete | numeric | Do any of the following describe why this establishment introduced the most important innovative process? To increase the flexibility of production or offering service |
| V70 | hc10d | Introduced the most imp. inno. pro.: To increase speed of production/ service | discrete | numeric | Do any of the following describe why this establishment introduced the most important innovative process? To increase the speed of production or offering service |
| V71 | hc10e | Introduced the most imp. inno. pro.: To increase speed of delivery to customer | discrete | numeric | Do any of the following describe why this establishment introduced the most important innovative process? To increase the speed of delivery to the customer |
| V72 | hc10f | Introduced the most imp. inno. pro.: To decrease the cost of production/service | discrete | numeric | Do any of the following describe why this establishment introduced the most important innovative process? To decrease the cost of production or offering service |

| ID | Name | Label | Type | Format | Question |
|-----|-------|--|----------|---------|---|
| V73 | hc10g | Introduced the most imp. inno. pro.: To reduce waste or errors | discrete | numeric | Do any of the following describe why this establishment introduced the most important innovative process? To reduce waste or errors (defect rate or rejection rate) |
| V74 | hc10h | Introduced the most imp. inno. pro.: To comply with regulations or standards | discrete | numeric | Do any of the following describe why this establishment introduced the most important innovative process? To comply with regulations or standards (e.g. safety or environmental regulations) |
| V75 | hc11a | When the most imp. inno. process was introduced: New to the local market | discrete | numeric | When the most important innovative process was introduced in this establishment, was it |
| V76 | hc11b | When the most imp. inno. process was introduced: New to the national market | discrete | numeric | When the most important innovative process was introduced in this establishment, was it |
| V77 | hc11c | When the most imp. inno. process was introduced: New to the international market | discrete | numeric | When the most important innovative process was introduced in this establishment, was it |
| V78 | hc12 | How did firm develop the idea for this most important innovative process? | discrete | numeric | How did this establishment develop the idea for this most important innovative process? |
| V79 | hc13 | Was the most important innovative process developed entirely by firm? | discrete | numeric | Was the most important innovative process developed entirely by this establishment? |
| V80 | hc14 | Was the most important innovative process developed entirely by another firm? | discrete | numeric | Was the most important innovative process developed entirely by another firm (e.g. headquarter, sister company or any other firm within your company or independent from your company)? |
| V81 | hc15a | Developed in cooperation with: Domestic firms or a domestic-owned parent firm | discrete | numeric | Was the most important innovative process developed in cooperation with any of the following? |
| V82 | hc15b | Developed in cooperation with: Foreign firms or a foreign-owned parent firm | discrete | numeric | Was the most important innovative process developed in cooperation with any of the following? |
| V83 | hc15c | Developed in cooperation with: Domestic academic or research institutions | discrete | numeric | Was the most important innovative process developed in cooperation with any of the following? |
| V84 | hc15d | Developed in cooperation with: Foreign academic or research institutions | discrete | numeric | Was the most important innovative process developed in cooperation with any of the following? |
| V85 | hc15e | Developed in cooperation with: Private consulting company or individuals | discrete | numeric | Was the most important innovative process developed in cooperation with any of the following? |
| V86 | hc15f | Developed in cooperation with: Government | discrete | numeric | Was the most important innovative process developed in cooperation with any of the following? |
| V87 | hc16 | Employees hired specifically for developing the most imp. innovative process? | discrete | numeric | Were employees hired specifically for the purpose of developing the most important innovative process? |
| V88 | hc17 | With introduction of innovative processes: The number of skilled workers? | discrete | numeric | From fiscal year 2010 thru 2012, as a consequence of introducing any innovative processes, did the number of skilled workers employed by the establishment increase, decrease or remain the same? |
| V89 | hc18 | With introduction of innovative processes: The number of unskilled workers? | discrete | numeric | From fiscal year 2010 thru 2012, as a consequence of introducing any innovative processes, did the number of unskilled workers employed by the establishment increase, decrease or remain the same? |

| ID | Name | Label | Type | Format | Question |
|------|------|--|----------|---------|---|
| V90 | hd1a | Number of employees reporting directly to Top Manager in fiscal year 2012 | discrete | numeric | In fiscal year 2012, how many employees reported directly to the Top Manager of this establishment? (An employee who reports directly implies the employee meets with the Top Manager on a regular basis (middle manager)). |
| V91 | hd1b | Number of employees reporting directly to Top Manager in fiscal year 2010 | discrete | numeric | In fiscal year 2010, how many employees reported directly to the Top Manager of this establishment? |
| V92 | hd2a | Number of layers of direct reporting in fiscal year 2012 | discrete | numeric | In fiscal year 2012, how many layers of direct reporting were there in this establishment from the Top Manager down to the lowest-level of employee? |
| V93 | hd2b | Number of layers of direct reporting in fiscal year 2010 | discrete | numeric | In fiscal year 2010, how many layers of direct reporting were there in this establishment from the Top Manager down to the lowest-level of employee? |
| V94 | hd3a | Changes in its structure: Create a new unit or department | discrete | numeric | From fiscal year 2010 thru 2012, did the establishment make any changes in its organizational structure in any of the following ways: |
| V95 | hd3b | Changes in its structure: Dissolve any units or department | discrete | numeric | From fiscal year 2010 thru 2012, did the establishment make any changes in its organizational structure in any of the following ways: |
| V96 | hd3c | Changes in its structure: Merge any units or department | discrete | numeric | From fiscal year 2010 thru 2012, did the establishment make any changes in its organizational structure in any of the following ways: |
| V97 | hd7 | Contracted other firms to perform any activities previously done in-house? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment contract other firms to perform any activities previously done in-house (outsourcing)? |
| V98 | hd8 | Started doing in-house any activities previously contracted to other firms? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment start doing in-house any activities previously contracted to other firms (insourcing)? |
| V99 | hd4 | Introduce any change in the method of hiring employees? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce any change in the method of hiring employees, excluding managerial and supervisory staff? |
| V100 | hd5 | Introduce any change in the method of hiring managerial and supervisory staff? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce any change in the method of hiring managerial and supervisory staff? |
| V101 | hd6a | Manager(s) learn about management practices from: Suppliers or customers | discrete | numeric | From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from |
| V102 | hd6b | Manager(s) learn about management practices from: Trade associations or workshop | discrete | numeric | From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from |
| V103 | hd6c | Manager(s) learn about management practices from: New employees | discrete | numeric | From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from |
| V104 | hd6d | Manager(s) learn about management practices from: Competitors | discrete | numeric | From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from |
| V105 | hd6e | Manager(s) learn about management practices from: Consultants | discrete | numeric | From fiscal year 2010 thru 2012, did the manager(s) at this establishment learn about management practices from |

| ID | Name | Label | Type | Format | Question |
|------|-------|---|----------|---------|--|
| V106 | hd9a | Year 2012: Best describes when a problem arose in the production process | discrete | numeric | In fiscal year 2012 what best describes what happened at this establishment when a problem arose in the production process, such as a quality defect or machinery or equipment break-downs? |
| V107 | hd9b | Year 2010: Best describes when a problem arose in the production process | discrete | numeric | In fiscal year 2010 what best describes what happened at this establishment when a problem arose in the production process, such as a quality defect or machinery or equipment break-downs? |
| V108 | hd10a | Year 2012, were key performance indicators monitored at firm? | discrete | numeric | In fiscal year 2012, were key performance indicators monitored at this establishment? Examples of performance indicators are metrics on production, cost, waste, quality, inventory, energy, absenteeism and on-time delivery. |
| V109 | hd10b | Year 2012, how many key performance indicators were monitored at firm? | discrete | numeric | In fiscal year 2012, how many key performance indicators were monitored at this establishment? |
| V110 | hd10c | Year 2012, how frequently key performance indicators were reviewed by managers? | discrete | numeric | In fiscal year 2012, how frequently were the key performance indicators reviewed by managers at this establishment? |
| V111 | hd11a | Year 2010, were key performance indicators monitored at firm? | discrete | numeric | In fiscal year 2010, were key performance indicators monitored at this establishment? |
| V112 | hd11b | Year 2010, how many key performance indicators were monitored at firm? | discrete | numeric | In fiscal year 2010, how many key performance indicators were monitored at this establishment? |
| V113 | hd11c | Year 2010, how frequently key performance indicators were reviewed by managers? | discrete | numeric | In fiscal year 2010, how frequently were the key performance indicators reviewed by managers at this establishment? |
| V114 | hd12a | Year 2012, best describes the time frame of production/sales targets at firm? | discrete | numeric | In fiscal year 2012, what best describes the time frame of production/sales targets at this establishment? (Production targets may include desired amounts of production, quality, efficiency, waste reduction, and on-time delivery). |
| V115 | hd12b | Year 2012, did firm have any performance bonus for employees or managers? | discrete | numeric | In fiscal year 2012, did this establishment have any performance bonus for employees or managers? |
| V116 | hd12c | What were these performance bonuses usually based on? | discrete | numeric | What were these performance bonuses usually based on? |
| V117 | hd13a | Year 2010, best describes the time frame of production/sales targets at firm? | discrete | numeric | In fiscal year 2010, what best describes the time frame of production/sales targets at this establishment? |
| V118 | hd13b | Year 2010, had any performance bonus for employees or managers? | discrete | numeric | In fiscal year 2010, did this establishment have any performance bonus for employees or managers? |
| V119 | hd13c | What were these performance bonuses usually based on? | discrete | numeric | What were these performance bonuses usually based on? |
| V120 | he1a | Introduced/Significantly changed: Packaging | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? |
| V121 | he1b | Introduced/Significantly changed: Branding, logo, name, or trademark | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? |
| V122 | he1c | Introduced/Significantly changed: Products' appearance | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? |
| V123 | he1d | Introduced/Significantly changed: Advertising methods | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? |

| ID | Name | Label | Type | Format | Question |
|------|------|--|----------|---------|---|
| V124 | he1e | Introduced/Significantly changed: Promotion of the product or service | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? |
| V125 | he1f | Introduced/Significantly changed: Sales channels or sales points | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? |
| V126 | he1g | Introduced/Significantly changed: Discount schemes | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? |
| V127 | he1h | Introduced/Significantly changed: Pricing strategies, excluding discount schemes | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? |
| V128 | he1i | Introduced/Significantly changed: Payment schemes | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? |
| V129 | he1j | Introduced/Significantly changed: Customer loyalty rewards | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment introduce or significantly change any of the following? |
| V130 | he2a | Used services of a marketing firm/ consumer research firm/ advertising firm? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment use the services of a marketing firm, consumer research firm, or advertising firm? |
| V131 | he2b | Total cost serv. of a marketing firm/ consumer research firm/ advertising firm | discrete | numeric | From fiscal year 2010 thru 2012, how much did this establishment pay in total for those services? |
| V132 | hf1a | Did firm conduct internal R&D? | discrete | numeric | From fiscal year 2010 thru 2012 did this establishment conduct internal R&D? (Internal R&D is defined as creative work undertaken to increase knowledge for developing innovative products and processes.) |
| V133 | hf1b | Total cost of internal R&D | discrete | numeric | How much did this establishment spend in total from fiscal year 2010 thru 2012 on internal R&D? |
| V134 | hf2a | Did firm conduct external R&D? | discrete | numeric | From fiscal year 2010 thru 2012 did this establishment conduct external R&D? (External R&D is defined as creative work, undertaken by other enterprises, public or private research organizations, which was paid for by this establishment.) |
| V135 | hf2b | Total cost of external R&D | discrete | numeric | How much did this establishment spend in total from fiscal year 2010 thru 2012 on external R&D? |
| V136 | hf3a | Provided formal training to employees for innovative products/ services? | discrete | numeric | From fiscal year 2010 thru 2012 did this establishment provide formal training to any of its employees specifically for the development and/or introduction of innovative products or services and processes? |
| V137 | hf3b | Total cost of formal training for employees | discrete | numeric | How much did this establishment spend in total from fiscal year 2010 thru 2012 on that formal training? |
| V138 | hf4a | Purchased new equip./ machinery/ software for innovative products/ services? | discrete | numeric | From fiscal year 2010 thru 2012 did this establishment purchase new equipment, machinery, or software to develop or produce any innovative products or services and processes? |
| V139 | hf4b | Total cost of new equipment, machinery, or software | discrete | numeric | How much did this establishment spend in total from fiscal year 2010 thru 2012 on the purchase of that new equipment, machinery, or software? |

| ID | Name | Label | Type | Format | Question |
|------|------|---|----------|---------|--|
| V140 | hf5a | Purchased/Licensed any patented or non-patented inventions? | discrete | numeric | From fiscal year 2010 thru 2012 did this establishment purchase or license any patented or non-patented inventions, or other types of knowledge for the development of innovative products or services and processes? |
| V141 | hf5b | Total cost of inventions or other types of knowledge | discrete | numeric | How much did this establishment spend in total from fiscal year 2010 thru 2012 on any patented or non-patented inventions, or other types of knowledge? |
| V142 | hf7a | Did firm fund its innovation activities from: Own funds | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources: |
| V143 | hf7b | Did firm fund its innovation activities from: Private or state-owned banks | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources: |
| V144 | hf7c | Did firm fund its innovation activities from: Government agencies/departments | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources: |
| V145 | hf7d | Did firm fund its innovation activities from: NGOs/ international organizations | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources: |
| V146 | hf7e | Did firm fund its innovation activities from: Other | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment fund its innovation activities from any of the following sources: |
| V147 | hf8 | Received non-financial support from the government for inno.-rel. activities? | discrete | numeric | Between fiscal years 2010 and 2012, did this establishment receive any non-financial support from the government for innovation-related activities? (This includes training in the use of innovation equipment, assistance in research and product development, and assistance and training for marketing innovations) |
| V148 | hf6 | Most important source of information | discrete | numeric | Thinking about innovation, which of the following is the most important source of information or ideas for any innovation activity for this establishment? |
| V149 | hf9a | Did firm: Apply for a patent concerning a product innovation | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment: |
| V150 | hf9b | Did firm: Apply for a patent concerning a process innovation | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment: |
| V151 | hf9c | Did firm: Apply for a utility model | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment: |
| V152 | hf9d | Did firm: Register an industrial design | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment: |
| V153 | hf9e | Did firm: Apply for a trademark | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment: |
| V154 | hf9f | Did firm: Apply for a copyright | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment: |
| V155 | ha1 | Percentage of employees regularly using computers | discrete | numeric | Currently, what percentage of this establishment's employees regularly uses computers in their jobs, including management? |
| V156 | ha2 | Did firm purchase or develop in-house any software? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment purchase or develop in-house any software, which was customized to meet its needs? |
| V157 | ha3 | Did firm have any employees entirely designated for IT? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment have any employees entirely designated for IT? |

| ID | Name | Label | Type | Format | Question |
|------|---------|--|----------|-----------|---|
| V158 | ha4 | Did firm use the services of an external computer/software consultant? | discrete | numeric | From fiscal year 2010 thru 2012, did this establishment use the services of an external computer consultant or software consultant? |
| V159 | ha5 | Total cost of external computer or software consultants | discrete | numeric | From fiscal year 2010 thru 2012, what was the total cost of these external computer consultant or software consultant? |
| V160 | ha6 | Currently, does firm have an internet connection? | discrete | numeric | Currently, does this establishment have an internet connection? |
| V161 | ha7 | Year the firm first obtain an internet connection | discrete | numeric | When did this establishment first obtain an internet connection? |
| V162 | ha8a | E-mail with clients and suppliers | discrete | numeric | Currently, does this establishment use the internet to conduct any of the following activities: |
| V163 | ha8b | Internal communication amongst employees | discrete | numeric | Currently, does this establishment use the internet to conduct any of the following activities: |
| V164 | ha8c | Online purchases of inputs or finished goods purchased to resell ha8c | discrete | numeric | Currently, does this establishment use the internet to conduct any of the following activities: |
| V165 | ha8d | Online sales and order fulfillment | discrete | numeric | Currently, does this establishment use the internet to conduct any of the following activities: |
| V166 | ha8e | Manage the inventory | discrete | numeric | Currently, does this establishment use the internet to conduct any of the following activities: |
| V167 | ha8f | Marketing of products | discrete | numeric | Currently, does this establishment use the internet to conduct any of the following activities: |
| V168 | ha8g | Do research and develop ideas on new products and services | discrete | numeric | Currently, does this establishment use the internet to conduct any of the following activities: |
| V169 | ha15d | Day when the interview ends | contin | numeric | |
| V170 | ha15m | Month when the interview ends | discrete | numeric | |
| V171 | ha15y | Year when the interview ends | discrete | numeric | |
| V172 | ha15h | Hour when the interview ends | discrete | numeric | |
| V173 | ha15min | Minutes when the interview ends | contin | numeric | |
| V174 | ha21x | Main respondent: Position in the firm | discrete | character | |
| V175 | ha21a | Main respondent: Years with the firm | contin | numeric | |
| V176 | ha21c | Main respondent: Gender | discrete | numeric | |
| V177 | ha22x | Second respondent: Position in the firm | discrete | character | |
| V178 | ha22a | Second respondent: Years with the firm | discrete | numeric | |
| V179 | ha22c | Second respondent: Gender | discrete | numeric | |
| V180 | ha23x | Third respondent: Position in the firm | discrete | numeric | |
| V181 | ha23a | Third respondent: Years with the firm | discrete | numeric | |
| V182 | ha23c | Third respondent: Gender | discrete | numeric | |
| V183 | ha17x | Interviewer comments | discrete | character | |
| V184 | dup | | discrete | numeric | |
| V185 | a1 | Country Code | discrete | numeric | |
| V186 | a3a | Region Of The Establishment | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|------|------|---|----------|---------|----------|
| V187 | d2 | In Last Fiscal Year, What Were This Establishment'S Total Annual Sales? | discrete | numeric | |
| V188 | n3 | What Were the Establishment Sales 3 years ago (FY 2009) | discrete | numeric | |
| V189 | l1 | Num. Permanent, Full-Time Employees At End Of Last Fiscal Year | discrete | numeric | |
| V190 | l2 | Num. Permanent, Full-Time Employees At End Of 3 Fiscal Years Ago | discrete | numeric | |

WEB STD FIRMID (idstd)

File: uganda_2013_innovation_data

Overview

Type: Continuous
 Format: numeric
 Width: 6
 Decimals: 0
 Range: 533803-534440

Valid cases: 449
 Invalid: 0
 Minimum: 533803
 Maximum: 534440

Questionnaire number (id)

File: uganda_2013_innovation_data

Overview

Type: Continuous
 Format: numeric
 Width: 5
 Decimals: 0
 Range: 6-91062

Valid cases: 449
 Invalid: 0
 Minimum: 6
 Maximum: 91062

Record number (recnumber)

File: uganda_2013_innovation_data

Overview

Type: Continuous
 Format: numeric
 Width: 4
 Decimals: 0
 Range: 1-1459

Valid cases: 449
 Invalid: 0
 Minimum: 1
 Maximum: 1459

Preference (preference)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 1-9

Valid cases: 449
 Invalid: 0

a4a Industry Sampling Sector (a4a)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 2
 Decimals: 0
 Range: 15-72

Valid cases: 449
 Invalid: 0

a4b Industry Screener Sector (a4b)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 2
 Decimals: 0
 Range: 15-72

Valid cases: 449
 Invalid: 0

a6a Sampling Size (a6a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0

a6b Screener Size (a6b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0

Year firm began operations (b5)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0

Questionnaire (ha0)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0

Day when the interview begins (ha14d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0
 Minimum: 1
 Maximum: 31

Month when the interview begins (ha14m)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 2
 Decimals: 0
 Range: 1-12

Valid cases: 449
 Invalid: 0

Year when the interview begins (ha14y)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0

Hour when the interview begins (ha14h)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 2
 Decimals: 0
 Range: 8-18

Valid cases: 449
 Invalid: 0

Minutes when the interview begins (ha14min)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0
 Minimum: 0
 Maximum: 59

Same respondent as the ES (ha0b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Did the firm introduce any innovative product or service? (hb1)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Pre question

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

Literal question

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

How many innovative products or services did the firm introduced? (hb2)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Literal question

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

Percentage of sales from all innovative products (hb3)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 131
Invalid: 318

Literal question

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

Describe the main innovative product or service that the firm introduced (hb5x)

File: uganda_2013_innovation_data

Overview

Type: Discrete
Format: character
Width: 197

Valid cases: 238

Pre question

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

Literal question

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

Year the main innovative product or service was introduced (hb6)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Literal question

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

Percentage of the main innovative product or service (hb4)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Literal question

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

How the main innovative product/service is different than the most similar one? (hb7x)

File: uganda_2013_innovation_data

Overview

Type: Discrete
Format: character
Width: 244

Valid cases: 144

Literal question

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

The product or service is completely new (hb7)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 94
Invalid: 355

Literal question

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

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

Does the main innovative product/service have completely new functions? (hb9a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Is it cheaper to produce or offer? (hb9b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Literal question

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

Is it a better quality product/service? (hb9c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Literal question

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

Does it use different inputs? (hb9d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
 Invalid: 211

Literal question

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

Is it based on a techno/indust. design not already used by the firm? (hb9f)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
 Invalid: 211

Literal question

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

To replace a product or service offered by firm (hb10a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
 Invalid: 211

Literal question

Do any of the following describe why this establishment introduced this main innovative product:

To extend the range of products or service offered by firm (hb10b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
 Invalid: 211

Literal question

Do any of the following describe why this establishment introduced this main innovative product:

To open up new markets or increase market share (hb10c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
 Invalid: 211

Literal question

Do any of the following describe why this establishment introduced this main innovative product:

To decrease the cost of production or offering the service (hb10d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
 Invalid: 211

Literal question

Do any of the following describe why this establishment introduced this main innovative product:

To offer products or service already offered by competitors (hb10e)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
 Invalid: 211

Literal question

Do any of the following describe why this establishment introduced this main innovative product:

To comply with regulations or standards (hb10f)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
 Invalid: 211

Literal question

Do any of the following describe why this establishment introduced this main innovative product:

To deal with a decrease in the demand for other products or service (hb10g)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Literal question

Do any of the following describe why this establishment introduced this main innovative product:

The main innovative product : New to the local market (hb11a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Literal question

When this main innovative product or service was introduced by this establishment, was it

The main innovative product : New to the national market (hb11b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Literal question

When this main innovative product or service was introduced by this establishment, was it

The main innovative product : New to the international market (hb11c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Literal question

When this main innovative product or service was introduced by this establishment, was it

How did the firm develop the idea for this main innovative product/service? (hb12)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Literal question

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

Was the main innovative product or service developed entirely by firm? (hb13)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
Invalid: 211

Literal question

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

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

File: uganda_2013_innovation_data

Overview

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

Valid cases: 59
Invalid: 390

Literal question

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

Developed in cooperation with: Any domestic firms (hb15a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 19
Invalid: 430

Literal question

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

Developed in cooperation with: Any foreign firms or a foreign-owned parent firm (hb15b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 19
Invalid: 430

Literal question

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

Developed in cooperation with: Domestic academic or research institutions (hb15c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 19
Invalid: 430

Literal question

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

Developed in cooperation with: Foreign academic or research institutions (hb15d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 19
Invalid: 430

Literal question

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

Developed in cooperation with: Private consulting company or individuals (hb15e)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 19
Invalid: 430

Literal question

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

Developed in cooperation with: Government (hb15f)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 19
 Invalid: 430

Literal question

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

Were employees hired for the purpose of developing the main innovative product? (hb16)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
 Invalid: 211

Literal question

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

Number of skilled workers increased, decreased or remained the same? (hb17)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
 Invalid: 211

Literal question

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

Number of unskilled workers increased, decreased or remained the same? (hb18)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 238
 Invalid: 211

Literal question

Number of unskilled workers increased, decreased or remained the same? (hb18)

File: uganda_2013_innovation_data

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

Attempt to develop innovative product: Abandoned/suspended before completion (hb19a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Attempt to develop innovative product: Ongoing at the end of fiscal year 2012 (hb19b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Introduced any innovative methods of manufacturing products/offering services? (hc1)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Pre question

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

Literal question

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

Introduced any innovative logistics, del./dist. methods/
products/services? (hc2)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Introduced any innovative supporting activity for processes? (hc3)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

ANY or NONE of above 3 questions are "yes" (hc4)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Describe in detail firm's main innovative process (hc5x)

File: uganda_2013_innovation_data

Overview

Type: Discrete
Format: character
Width: 170

Valid cases: 226

Pre question

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

Literal question

Please describe in detail this establishment's main innovative process

Year the most important innovative process was introduced (hc6)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

How the innovative process is different from the most similar process (hc7x)

File: uganda_2013_innovation_data

Overview

Type: Discrete
Format: character
Width: 240

Valid cases: 150

Literal question

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

The process is completely new, there is no similar process (hc7)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 76
Invalid: 373

Literal question

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

The process is completely new, there is no similar process

The most important innovative process: Automate manual processes? (hc8a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

Does the most important innovative process

The most important innovative process: Adapt a technology used by firm? (hc8b)

File: uganda_2013_innovation_data

Overview

| | |
|-----------------|------------------|
| Type: Discrete | Valid cases: 226 |
| Format: numeric | Invalid: 223 |
| Width: 2 | |
| Decimals: 0 | |
| Range: -9-2 | |

Literal question

Does the most important innovative process

The most important innovative process: Introduce a new technology or method? (hc8c)

File: uganda_2013_innovation_data

Overview

| | |
|-----------------|------------------|
| Type: Discrete | Valid cases: 226 |
| Format: numeric | Invalid: 223 |
| Width: 2 | |
| Decimals: 0 | |
| Range: -9-2 | |

Literal question

Does the most important innovative process

The most important innovative process: Use efficient tech. already used by firm (hc8d)

File: uganda_2013_innovation_data

Overview

| | |
|-----------------|------------------|
| Type: Discrete | Valid cases: 226 |
| Format: numeric | Invalid: 223 |
| Width: 2 | |
| Decimals: 0 | |
| Range: -9-2 | |

Literal question

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

Most imp. inno. process associated with an inno.product introduced by firm? (hc9)

File: uganda_2013_innovation_data

Overview

| | |
|-----------------|------------------|
| Type: Discrete | Valid cases: 226 |
| Format: numeric | Invalid: 223 |
| Width: 2 | |
| Decimals: 0 | |
| Range: -9-2 | |

Literal question

Most imp. inno. process associated with an inno.product introduced by firm? (hc9)

File: uganda_2013_innovation_data

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

Introduced the most imp. inno. pro.: To increase quality of products/services (hc10a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

Introduced the most imp. inno. pro.: To increase total prod./amount of services (hc10b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

Introduced the most imp. inno. pro.: To increase flexibility of prod./service (hc10c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

Introduced the most imp. inno. pro.: To increase speed of production/ service (hc10d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

Introduced the most imp. inno. pro.: To increase speed of delivery to customer (hc10e)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

Introduced the most imp. inno. pro.: To decrease the cost of production/service (hc10f)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

Introduced the most imp. inno. pro.: To reduce waste or errors (hc10g)

File: uganda_2013_innovation_data

Overview

Introduced the most imp. inno. pro.: To reduce waste or errors (hc10g)

File: uganda_2013_innovation_data

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

Valid cases: 226
Invalid: 223

Literal question

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

Introduced the most imp. inno. pro.: To comply with regulations or standards (hc10h)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

When the most imp. inno. process was introduced: New to the local market (hc11a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

When the most important innovative process was introduced in this establishment, was it

When the most imp. inno. process was introduced: New to the national market (hc11b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

When the most imp. inno. process was introduced: New to the national market (hc11b)

File: uganda_2013_innovation_data

When the most important innovative process was introduced in this establishment, was it

When the most imp. inno. process was introduced: New to the international market (hc11c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

When the most important innovative process was introduced in this establishment, was it

How did firm develop the idea for this most important innovative process? (hc12)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

Was the most important innovative process developed entirely by firm? (hc13)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

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

File: uganda_2013_innovation_data

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

File: uganda_2013_innovation_data

Overview

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

Valid cases: 81
Invalid: 368

Literal question

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

Developed in cooperation with: Domestic firms or a domestic-owned parent firm (hc15a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 22
Invalid: 427

Literal question

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

Developed in cooperation with: Foreign firms or a foreign-owned parent firm (hc15b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 22
Invalid: 427

Literal question

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

Developed in cooperation with: Domestic academic or research institutions (hc15c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 22
Invalid: 427

Literal question

Developed in cooperation with: Domestic academic or research institutions (hc15c)

File: uganda_2013_innovation_data

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

Developed in cooperation with: Foreign academic or research institutions (hc15d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 22
Invalid: 427

Literal question

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

Developed in cooperation with: Private consulting company or individuals (hc15e)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 22
Invalid: 427

Literal question

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

Developed in cooperation with: Government (hc15f)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 22
Invalid: 427

Literal question

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

Employees hired specifically for developing the most imp. innovative process? (hc16)

File: uganda_2013_innovation_data

Overview

Employees hired specifically for developing the most imp.
innovative process? (hc16)

File: uganda_2013_innovation_data

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

Valid cases: 226
Invalid: 223

Literal question

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

With introduction of innovative processes: The number of skilled
workers? (hc17)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

With introduction of innovative processes: The number of
unskilled workers? (hc18)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 226
Invalid: 223

Literal question

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

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

File: uganda_2013_innovation_data

Overview

Type: Discrete
Format: numeric
Width: 3
Decimals: 0
Range: -9-150

Valid cases: 148
Invalid: 301

Pre question

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

File: uganda_2013_innovation_data

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

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

Literal question

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

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

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

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

File: uganda_2013_innovation_data

Overview

Type: Discrete
Format: numeric
Width: 2
Decimals: 0
Range: -9-8

Valid cases: 148
Invalid: 301

Literal question

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

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

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Changes in its structure: Create a new unit or department (hd3a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Changes in its structure: Dissolve any units or department (hd3b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Changes in its structure: Merge any units or department (hd3c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Contracted other firms to perform any activities previously done in-house? (hd7)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Started doing in-house any activities previously contracted to other firms? (hd8)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Introduce any change in the method of hiring employees? (hd4)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Introduce any change in the method of hiring managerial and supervisory staff? (hd5)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Manager(s) learn about management practices from: Suppliers or customers (hd6a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

Manager(s) learn about management practices from: Suppliers or customers (hd6a)

File: uganda_2013_innovation_data

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

Manager(s) learn about management practices from: Trade associations or workshop (hd6b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Manager(s) learn about management practices from: New employees (hd6c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Manager(s) learn about management practices from: Competitors (hd6d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Manager(s) learn about management practices from: Consultants (hd6e)

File: uganda_2013_innovation_data

Manager(s) learn about management practices from: Consultants (hd6e)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Year 2012: Best describes when a problem arose in the production process (hd9a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Pre question

The next questions are about changes in management practices

Literal question

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

Year 2010: Best describes when a problem arose in the production process (hd9b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Year 2012, were key performance indicators monitored at firm? (hd10a)

File: uganda_2013_innovation_data

Overview

Year 2012, were key performance indicators monitored at firm?
(hd10a)

File: uganda_2013_innovation_data

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

Valid cases: 148
Invalid: 301

Literal question

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

Year 2012, how many key performance indicators were monitored at firm? (hd10b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 105
Invalid: 344

Literal question

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

Year 2012, how frequently key performance indicators were reviewed by managers? (hd10c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 105
Invalid: 344

Literal question

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

Year 2010, were key performance indicators monitored at firm?
(hd11a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Year 2010, how many key performance indicators were monitored at firm? (hd11b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 97
Invalid: 352

Literal question

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

Year 2010, how frequently key performance indicators were reviewed by managers? (hd11c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 97
Invalid: 352

Literal question

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

Year 2012, best describes the time frame of production/sales targets at firm? (hd12a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Year 2012, did firm have any performance bonus for employees or managers? (hd12b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

Year 2012, did firm have any performance bonus for employees or managers? (hd12b)

File: uganda_2013_innovation_data

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

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

File: uganda_2013_innovation_data

Overview

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

Valid cases: 77
Invalid: 372

Literal question

What were these performance bonuses usually based on?

Year 2010, best describes the time frame of production/sales targets at firm? (hd13a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

Year 2010, had any performance bonus for employees or managers? (hd13b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 148
Invalid: 301

Literal question

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

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

File: uganda_2013_innovation_data

Overview

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

File: uganda_2013_innovation_data

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

Valid cases: 69
Invalid: 380

Literal question

What were these performance bonuses usually based on?

Introduced/Significantly changed: Packaging (he1a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Pre question

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

Literal question

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

Introduced/Significantly changed: Branding, logo, name, or trademark (he1b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Introduced/Significantly changed: Products' appearance (he1c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Introduced/Significantly changed: Advertising methods (he1d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Introduced/Significantly changed: Promotion of the product or service (he1e)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Introduced/Significantly changed: Sales channels or sales points (he1f)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Introduced/Significantly changed: Discount schemes (he1g)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Introduced/Significantly changed: Pricing strategies, excluding discount schemes (he1h)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Introduced/Significantly changed: Payment schemes (he1i)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Introduced/Significantly changed: Customer loyalty rewards (he1j)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Used services of a marketing firm/ consumer research firm/ advertising firm? (he2a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Total cost serv. of a marketing firm/ consumer research firm/ advertising firm (he2b)

File: uganda_2013_innovation_data

Overview

| | |
|---------------------|-----------------|
| Type: Discrete | Valid cases: 59 |
| Format: numeric | Invalid: 390 |
| Width: 9 | |
| Decimals: 0 | |
| Range: -9-150000000 | |

Literal question

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

Did firm conduct internal R&D? (hf1a)

File: uganda_2013_innovation_data

Overview

| | |
|-----------------|------------------|
| Type: Discrete | Valid cases: 449 |
| Format: numeric | Invalid: 0 |
| Width: 2 | |
| Decimals: 0 | |
| Range: -9-2 | |

Pre question

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

Literal question

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

Total cost of internal R&D (hf1b)

File: uganda_2013_innovation_data

Overview

| | |
|--------------------|-----------------|
| Type: Discrete | Valid cases: 65 |
| Format: numeric | Invalid: 384 |
| Width: 8 | |
| Decimals: 0 | |
| Range: -9-53000000 | |

Literal question

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

Did firm conduct external R&D? (hf2a)

File: uganda_2013_innovation_data

Overview

| | |
|-----------------|------------------|
| Type: Discrete | Valid cases: 449 |
| Format: numeric | Invalid: 0 |
| Width: 2 | |
| Decimals: 0 | |
| Range: -9-2 | |

Literal question

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

Total cost of external R&D (hf2b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 32
Invalid: 417

Literal question

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

Provided formal training to employees for innovative products/ services? (hf3a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Total cost of formal training for employees (hf3b)

File: uganda_2013_innovation_data

Overview

Type: Discrete
Format: numeric
Width: 9
Decimals: 0
Range: -9-312500000

Valid cases: 104
Invalid: 345

Literal question

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

Purchased new equip./ machinery/ software for innovative products/ services? (hf4a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Total cost of new equipment, machinery, or software (hf4b)

File: uganda_2013_innovation_data

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: -9-18750000000

Valid cases: 154
Invalid: 295

Literal question

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

Purchased/Licensed any patented or non-patented inventions? (hf5a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Total cost of inventions or other types of knowledge (hf5b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 33
Invalid: 416

Literal question

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

Did firm fund its innovation activities from: Own funds (hf7a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Did firm fund its innovation activities from: Private or state-owned banks (hf7b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Did firm fund its innovation activities from: Government agencies/departments (hf7c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Did firm fund its innovation activities from: NGOs/ international organizations (hf7d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Did firm fund its innovation activities from: Other (hf7e)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Received non-financial support from the government for inno.-rel. activities? (hf8)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Most important source of information (hf6)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

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

Did firm: Apply for a patent concerning a product innovation (hf9a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

From fiscal year 2010 thru 2012, did this establishment:

Did firm: Apply for a patent concerning a process innovation (hf9b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Literal question

From fiscal year 2010 thru 2012, did this establishment:

Did firm: Apply for a utility model (hf9c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0

Literal question

From fiscal year 2010 thru 2012, did this establishment:

Did firm: Register an industrial design (hf9d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0

Literal question

From fiscal year 2010 thru 2012, did this establishment:

Did firm: Apply for a trademark (hf9e)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0

Literal question

From fiscal year 2010 thru 2012, did this establishment:

Did firm: Apply for a copyright (hf9f)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0

Literal question

From fiscal year 2010 thru 2012, did this establishment:

Percentage of employees regularly using computers (ha1)

File: uganda_2013_innovation_data

Percentage of employees regularly using computers (ha1)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
Invalid: 0

Pre question

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

Literal question

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

Did firm purchase or develop in-house any software? (ha2)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 251
Invalid: 198

Literal question

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

Did firm have any employees entirely designated for IT? (ha3)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 251
Invalid: 198

Literal question

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

Did firm use the services of an external computer/software consultant? (ha4)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 251
Invalid: 198

Literal question

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

Total cost of external computer or software consultants (ha5)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 10
 Decimals: 0
 Range: -9-2500000000

Valid cases: 57
 Invalid: 392

Literal question

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

Currently, does firm have an internet connection? (ha6)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0

Literal question

Currently, does this establishment have an internet connection?

Year the firm first obtain an internet connection (ha7)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 126
 Invalid: 323

Literal question

When did this establishment first obtain an internet connection?

E-mail with clients and suppliers (ha8a)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 126
 Invalid: 323

Literal question

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

Internal communication amongst employees (ha8b)

File: uganda_2013_innovation_data

Internal communication amongst employees (ha8b)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 126
 Invalid: 323

Literal question

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

Online purchases of inputs or finished goods purchased to resell
ha8c (ha8c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 126
 Invalid: 323

Literal question

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

Online sales and order fulfillment (ha8d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 126
 Invalid: 323

Literal question

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

Manage the inventory (ha8e)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 126
 Invalid: 323

Literal question

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

Marketing of products (ha8f)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 126
 Invalid: 323

Literal question

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

Do research and develop ideas on new products and services (ha8g)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 126
 Invalid: 323

Literal question

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

Day when the interview ends (ha15d)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0
 Minimum: 1
 Maximum: 31

Month when the interview ends (ha15m)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 2
 Decimals: 0
 Range: 1-12

Valid cases: 449
 Invalid: 0

Year when the interview ends (ha15y)

File: uganda_2013_innovation_data

Overview

Year when the interview ends (ha15y)

File: uganda_2013_innovation_data

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

Valid cases: 449
 Invalid: 0

Hour when the interview ends (ha15h)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 2
 Decimals: 0
 Range: 8-18

Valid cases: 449
 Invalid: 0

Minutes when the interview ends (ha15min)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0
 Minimum: 0
 Maximum: 59

Main respondent: Position in the firm (ha21x)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: character
 Width: 40

Valid cases: 449
 Invalid: 0

Main respondent: Years with the firm (ha21a)

File: uganda_2013_innovation_data

Overview

Type: Continuous
 Format: numeric
 Width: 2
 Decimals: 0
 Range: 1-51

Valid cases: 449
 Invalid: 0
 Minimum: 1
 Maximum: 51

Main respondent: Gender (ha21c)

File: uganda_2013_innovation_data

Overview

Main respondent: Gender (ha21c)**File: uganda_2013_innovation_data**

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

Valid cases: 449
 Invalid: 0

Second respondent: Position in the firm (ha22x)**File: uganda_2013_innovation_data****Overview**

Type: Discrete
 Format: character
 Width: 19

Valid cases: 6
 Invalid: 0

Second respondent: Years with the firm (ha22a)**File: uganda_2013_innovation_data****Overview**

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 1-6

Valid cases: 6
 Invalid: 443

Second respondent: Gender (ha22c)**File: uganda_2013_innovation_data****Overview**

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

Valid cases: 6
 Invalid: 443

Third respondent: Position in the firm (ha23x)**File: uganda_2013_innovation_data****Overview**

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0

Valid cases: 0
 Invalid: 449

Third respondent: Years with the firm (ha23a)**File: uganda_2013_innovation_data****Overview**

Third respondent: Years with the firm (ha23a)

File: uganda_2013_innovation_data

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0

Valid cases: 0
 Invalid: 449

Third respondent: Gender (ha23c)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 0
 Invalid: 449

Interviewer comments (ha17x)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: character
 Width: 243

Valid cases: 449

(dup)

File: uganda_2013_innovation_data

Overview

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

Valid cases: 449
 Invalid: 0

Country Code (a1)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 2
 Decimals: 0
 Range: 16-94

Valid cases: 449
 Invalid: 0

Region Of The Establishment (a3a)

File: uganda_2013_innovation_data

Overview

Region Of The Establishment (a3a)

File: uganda_2013_innovation_data

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 1-6

Valid cases: 449
 Invalid: 0

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

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: -9-5000000000000

Valid cases: 449
 Invalid: 0

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

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: -9-555981000000

Valid cases: 449
 Invalid: 0

Num. Permanent, Full-Time Employees At End Of Last Fiscal Year (l1)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 4
 Decimals: 0
 Range: -9-4000

Valid cases: 449
 Invalid: 0

Num. Permanent, Full-Time Employees At End Of 3 Fiscal Years Ago (l2)

File: uganda_2013_innovation_data

Overview

Type: Discrete
 Format: numeric
 Width: 4
 Decimals: 0
 Range: -9-4000

Valid cases: 449
 Invalid: 0

Related Materials

Questionnaires

Innovation Follow-up Survey Questionnaire

Title Innovation Follow-up Survey Questionnaire
Language English
Filename uganda_innov_quest_2013.pdf

Technical documents

Uganda Innovation Follow-up Survey Note

Title Uganda Innovation Follow-up Survey Note
Language English
Filename Uganda-Innovation Follow-Up Survey Note.pdf
