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Shared with:
sithukyaw last edited 12/10/2017 6:25:42 PM
khin_zin_win (never edited)
bbelton (never edited)
htethtet_wkhine (never edited)

Sections: 7, Sub-sections: 9,
Questions: 448.
Questions with enabling conditions: 382
Questions with validation conditions:162
Rosters: 11
Variables: 26

Trader Questionnaire Final Application (Dry Zone)

COVER PAGE
No sub-sections, No rosters, No questions, Static texts: 1.

A. IDENTIFICATION
No sub-sections, No rosters, Questions: 12.

B. INTERVIEWEE DETAILS
No sub-sections, No rosters, Questions: 6.

C. BUSINESS DETAILS
No sub-sections, Rosters: 2, Questions: 91, Static texts: 13, Variables: 6.

E. SAMPLE COMMODITY
Sub-sections: 9, Rosters: 5, Questions: 283, Static texts: 13, Variables: 19.

D. BUSINESS ASSETS AND COSTS
No sub-sections, Rosters: 4, Questions: 45, Variables: 1.

F. INTERVIEWEE DETAILS, CONTINUED
No sub-sections, No rosters, Questions: 11.

APPENDIX A — ENABLING CONDITIONS

APPENDIX B — OPTIONS

APPENDIX C — VARIABLES

LEGEND

COVER PAGE

STATIC TEXT

My name is [name of enumerator] and I would like to interview your household for a survey that is being conducted by researchers from the Center for Economic and Social Development (CESD), Michigan State University and the International Food Policy Research Institute. We have conducted the Rural Economy and Agriculture Dry Zone survey in the previous March and April 2017. The researchers have visited 1,600 households in four different townships: Butalin, Myittha, Magwe and Pwint Phyu. This survey aims to provide researchers with a detailed understanding of value chain process in Dry Zone and carry out analyses to assist policymakers in identifying policies to promote welfare in Myanmar. Now the researchers are visiting 1,500 enterprises/households in some township of Dry Zone and your enterprise/household was selected randomly for participation. The interview will take up to 2 hours to complete and you may be asked to show us your enterprise. You have the right to not participate or stop the interview at any time. Please note, however, that we value your participation. Be assured that the information you give will be held in the strictest confidence and in no circumstance will your household be identified. If you have questions or concerns about your role and rights as a research participant, or if you would like to receive more information about this study, you may contact, anonymously if you wish, Kyan Htoo of the Centre for Economic and Social Development at 09 2500 64 347.

A. IDENTIFICATION

Enter questionnaire ID .According to supervisor instruction !!!!

NUMERIC: INTEGER `q_id`

Enter enumeration area code:

I Please enter a 3 digit code (400,500,600,700,800)
V1 `self.InRange(400,800)`
M1 Please enter EA Code (400,500,600,700,800) ...

NUMERIC: INTEGER `ea_code`

A100. Enter your enumerator code:

I Please enter your enumerator code (eg., 001)

TEXT `a100`

A101. Date and time of interview start

DATE: CURRENT TIME `a101`

A102. State/Region

SINGLE-SELECT `a102`

01 ○ Magway
02 ○ Mandalay
03 ○ Sagaing

A103. District

SINGLE-SELECT: CASCADING `a103`

01 ○ Gangaw District
02 ○ Magwae District
03 ○ Minbu District
04 ○ Pakokku District
05 ○ Thayet District
06 ○ Kyaukse District
07 ○ Mandalay District
08 ○ Meiktilla District
09 ○ Myingyan District
10 ○ Nyaung-U District
11 ○ Pyin Oo Lwin District
12 ○ Yamethin District
13 ○ Hkamti District
14 ○ Kale(Kalemyo) District
15 ○ Kanbalu District
16 ○ Katha District

And 6 other symbols [1]

A104. Township	SINGLE-SELECT: CASCADING a104 01 ○ Gangaw Township 02 ○ Saw Township 03 ○ Tilin Township 04 ○ Kyaukhtu Township 05 ○ Chauck Township 06 ○ Magway Township 07 ○ Myothit Township 08 ○ Natmauk Township 09 ○ Taungdwingyi Township 10 ○ Yenangyaung Township 11 ○ Minbu Township 12 ○ Ngape Township 13 ○ Pwintbyu Township 14 ○ Salin Township 15 ○ Sidoktaya Township 16 ○ Myaing Township And 74 other symbols [2]
A105. GPS	GPS a105 N W A
A106. What is the address of the interviewee's trading business?	TEXT business_address
A107. Does this business have a name?	SINGLE-SELECT a107 01 ○ Yes 02 ○ No
A108. What is the name of the business? E a107==1	TEXT a108
A109. What is the telephone number of the business (or business owner)?	TEXT a109

B. INTERVIEWEE DETAILS

B100. Enter the respondent name:	TEXT b100
B101. Is %b100% the owner of this trading business?	SINGLE-SELECT b101 01 ○ Yes 02 ○ No
B102. Enter the name of the owner of this trading business? E b101==2	TEXT b102
B103. Is the owner male or female?	SINGLE-SELECT b103 01 ○ Male

02 ○ Female

B104. What is the owner's age?

V1 $Age
M1 Age must be under 100...

NUMERIC: INTEGER b104

B105. What is the owner's highest level of eduational attainment?

F @optioncode<=(b104-4) || @optioncode==19

SINGLE-SELECT b105

01 ○ Grade 1
02 ○ Grade 2
03 ○ Grade 3
04 ○ Grade 4
05 ○ Grade 5
06 ○ Grade 6
07 ○ Grade 7
08 ○ Grade 8
09 ○ Grade 9
10 ○ Grade 10
11 ○ Grade 11
12 ○ University Student
13 ○ Undergraduate
17 ○ Graduate
18 ○ Post-graduate
19 ○ Other non-governmental education (monastic etc.)

C. BUSINESS DETAILS

C100. Has the owner of this business ever engaged in any of the following activities?

MULTI-SELECT c100

01 ☐ Pulses/oilseed trading
02 ☐ Oil milling
03 ☐ Oilcake trading
04 ☐ Dhall manufacturing
05 ☐ Noodle manufacturing
06 ☐ Pulse flour milling
07 ☐ Bean Cake manufacturing
08 ☐ Pulses byproducts trading
99 ☐ Other activity related to pulses or oilseeds processing (specify)

C100a. Please specify other activity related to pulses or oilseeds processing...

E c100.Contains(99)

TEXT c100a

VARIABLE

```
(c100.Contains(1)? " ပဲစေ့မွှေးရောင်းဝယ်ရေး":"")+ (c100.Contains(2)? " ဆီစက်လုပ်ငန်း":"")+ (c100.Contains(3)? " ပဲဖတ်စေ့မွှေးဖတ်ရောင်းဝယ်ရေး":"")+ (c100.Contains(4)? " ပဲခြမ်းစက်လုပ်ငန်း":"")+ (c100.Con
```

And 226 other symbols [1]

STRING value_c100

STATIC TEXT

E c100.Contains(1)

Pulses/oilseed trading

C101a. In what year did the owner of this business first engage in Pulses/oilseed trading?

I Put "9997" if the respondent don't know the year.
E c100.Contains(1)

NUMERIC: INTEGER c101a

V1 $Year
M1 Enter valid year...

C102a. Does the owner of this business enagage in Pulses/oilseed trading at present?

E c100.Contains(1)

SINGLE-SELECT c102a
01 ○ Yes
02 ○ No

C103a. In what year did the owner of this business stop operating Pulses/oilseed trading?

I Please enter 9997, if the respondent doesn't know the year.
E c102a==2
V1 self>c101a && $Year
M1 Stop year should greater than the first engage year and the year you e ntered should not exceed 2017.

NUMERIC: INTEGER c103a

C104a. Why did the owner of this business stop operating Pulses/oilseed trading?

E c102a==2

MULTI-SELECT c104a
01 ☐ Insufficient local demand for product
02 ☐ Could not compete with imported products
03 ☐ Could not compete with locally manufactured products from bigger enterprises
04 ☐ Could not meet quality standards
05 ☐ Insufficient access to capital
06 ☐ Made big loss
07 ☐ Other (specify)

C104a1. Please specify the other...

E c104a.Contains(7)

TEXT c104a1

C105a. Among activities (%value_c100%) related to Pulses/oilseed trading, what share of annual income does Pulses/oilseed trading activity account for?
%...

E c102a==1
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL c105a

STATIC TEXT

E c100.Contains(2)

Oil milling

C101b. In what year did the owner of this business first engage in Oil milling?

E c100.Contains(2)
V1 $Year
M1 Enter valid year...

NUMERIC: INTEGER c101b

C102b. Does the owner of this business enagage in Oil milling at present?

E c100.Contains(2)

SINGLE-SELECT c102b
01 ○ Yes
02 ○ No

C103b. In what year did the owner of this business stop operating Oil milling?

I Please enter 9997, if the respondent doesn't know the year.
E c102b==2
V1 self>c101b && $Year

NUMERIC: INTEGER c103b

M1 Stop year should be greater than the engage year and the year you en tered should not exceed 2017.

C104b. Why did the owner of this business stop operating Oil milling?

E c102b==2

MULTI-SELECT c104b

- 01 ☐ Insufficient local demand for product
- 02 ☐ Could not compete with imported products
- 03 ☐ Could not compete with locally manufactured products from bigger enterprises
- 04 ☐ Could not meet quality standards
- 05 ☐ Insufficient access to capital
- 06 ☐ Made big loss
- 07 ☐ Other (specify)

C104b1. Please specify the other...

E c104b.Contains(7)

TEXT c104b1

C105b. Among activities (%value_c100%) related to Pulses/oilseed trading, what share of annual income does Oil milling activity account for?
%...

E c102b==1
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL c105b

STATIC TEXT

E c100.Contains(3)

Oilcake trading

C101c. In what year did the owner of this business first engage in Oilcake trading?

E c100.Contains(3)
V1 $Year
M1 Enter valid year...

NUMERIC: INTEGER c101c

C102c. Does the owner of this business enagage in Oilcake trading at present?

E c100.Contains(3)

SINGLE-SELECT c102c

- 01 ○ Yes
- 02 ○ No

C103c. In what year did the owner of this business stop operating Oilcake trading?

I Please enter 9997, if the respondent doesn't know the year.
E c102c==2
V1 self>c101c && $Year
M1 Stop year should be greater than the first engage year and the year yo u entered should not exceed 2017.

NUMERIC: INTEGER c103c

C104c. Why did the owner of this business stop operating Oilcake trading?

E c102c==2

MULTI-SELECT c104c

- 01 ☐ Insufficient local demand for product
- 02 ☐ Could not compete with imported products
- 03 ☐ Could not compete with locally manufactured products from bigger enterprises
- 04 ☐ Could not meet quality standards
- 05 ☐ Insufficient access to capital
- 06 ☐ Made big loss

07 ☐ Other (specify)

C104c1. Please specify the other...

E c104c.Contains(7)

TEXT c104c1

C105c. Among activities (%value_c100%) related to Pulses/oilseed trading, what share of annual income does Oilcake trading activity account for?
%...

E c102c==1
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL c105c

STATIC TEXT

E c100.Contains(4)

Dhall manufacturing

C101d. In what year did the owner of this business first engage in Dhall manufacturing?

E c100.Contains(4)
V1 $Year
M1 Enter valid year...

NUMERIC: INTEGER c101d

C102d. Does the owner of this business enagage in Dhall manufacturing at present?

E c100.Contains(4)

SINGLE-SELECT c102d
01 ○ Yes
02 ○ No

C103d. In what year did the owner of this business stop operating Dhall manufacturing?

I Please enter 9997, if the respondent doesn't know the year.
E c102d==2
V1 self>c101d && $Year
M1 Stop year should greater than the first engage year and the year you e ntered should not exceed 2017.

NUMERIC: INTEGER c103d

C104d. Why did the owner of this business stop operating Dhall manufacturing?

E c102d==2

MULTI-SELECT c104d
01 ☐ Insufficient local demand for product
02 ☐ Could not compete with imported products
03 ☐ Could not compete with locally manufactured products from bigger enterprises
04 ☐ Could not meet quality standards
05 ☐ Insufficient access to capital
06 ☐ Made big loss
07 ☐ Other (specify)

C104d1. Please specify the other...

E c104d.Contains(7)

TEXT c104d1

C105d. Among activities (%value_c100%) related to Pulses/oilseed trading, what share of annual income does Dhall manufacturing activity account for?
%...

E c102d==1
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL c105d

STATIC TEXT

E c100.Contains(5)

Noodle manufacturing

C101e. In what year did the owner of this business first engage in Noodle manufacturing?

E c100.Contains(5)
V1 $Year
M1 Enter valid year...

NUMERIC: INTEGER c101e

C102e. Does the owner of this business enagage in Noodle manufacturing at present?

E c100.Contains(5)

SINGLE-SELECT c102e
01 ○ Yes
02 ○ No

C103e. In what year did the owner of this business stop operating Noodle manufacturing?

I Please enter 9997, if the respondent doesn't know the year.
E c102e==2
V1 self>c101e && $Year
M1 Stop year should greater than the engage year and the year you enter ed should not exceed 2017.

NUMERIC: INTEGER c103e

C104e. Why did the owner of this business stop operating Noodle manufacturing?

E c102e==2

MULTI-SELECT c104e
01 ☐ Insufficient local demand for product
02 ☐ Could not compete with imported products
03 ☐ Could not compete with locally manufactured products from bigger enterprises
04 ☐ Could not meet quality standards
05 ☐ Insufficient access to capital
06 ☐ Made big loss
07 ☐ Other (specify)

C104e1. Please specify the other...

E c104e.Contains(7)

TEXT c104e1

C105e. Among activities (%value_c100%) related to Pulses/oilseed trading, what share of annual income does Noodle manufacturing activity account for?
%...

E c102e==1
V1 self<=100
M1 Percentage should not be greater than one hundred

NUMERIC: DECIMAL c105e

STATIC TEXT

E c100.Contains(6)

Pulse flour milling

C101f. In what year did the owner of this business first engage in Pulse flour milling?

E c100.Contains(6)
V1 $Year
M1 Enter valid year...

NUMERIC: INTEGER c101f

C102f. Does the owner of this business

SINGLE-SELECT c102f

enagage in Pulse flour milling at present?

E c100.Contains(6)

01 ○ Yes
02 ○ No

C103f. In what year did the owner of this business stop operating Pulse flour milling?

NUMERIC: INTEGER c103f

I Please enter 9997, if the respondent doesn't know the year.
E c102f==2
V1 self>c101f && $Year
M1 Stop year should greater than the first engage year and the year you entered should not exceed 2017.

C104f. Why did the owner of this business stop operating Pulse flour milling?

MULTI-SELECT c104f

E c102f==2

01 ☐ Insufficient local demand for product
02 ☐ Could not compete with imported products
03 ☐ Could not compete with locally manufactured products from bigger enterprises
04 ☐ Could not meet quality standards
05 ☐ Insufficient access to capital
06 ☐ Made big loss
07 ☐ Other (specify)

C104f1. Please specify the other...

TEXT c104f1

E c104f.Contains(7)

C105f. Among activities (%value_c100%) related to Pulses/oilseed trading, what share of annual income does Pulse flour milling activity account for?
%...

NUMERIC: DECIMAL c105f

E c102f==1
V1 self<=100
M1 Percentage should not be more than 100.

STATIC TEXT

E c100.Contains(7)

Bean Cake manufacturing

C101g. In what year did the owner of this business first engage in Bean Cake manufacturing?

NUMERIC: INTEGER c101g

E c100.Contains(7)
V1 $Year
M1 Enter valid year...

C102g. Does the owner of this business enagage in Bean Cake manufacturing at present?

SINGLE-SELECT c102g

E c100.Contains(7)

01 ○ Yes
02 ○ No

C103g. In what year did the owner of this business stop operating Bean Cake manufacturing?

NUMERIC: INTEGER c103g

I Please enter 9997, if the respondent doesn't know the year.
E c102g==2
V1 self>c101g && $Year
M1 Stop year should greater than the engage year and the year you entered should not exceed 2017.

C104g. Why did the owner of this business stop operating Bean Cake manufacturing?

E c102g==2

MULTI-SELECT c104g

01 ☐ Insufficient local demand for product
02 ☐ Could not compete with imported products
03 ☐ Could not compete with locally manufactured products from bigger enterprises
04 ☐ Could not meet quality standards
05 ☐ Insufficient access to capital
06 ☐ Made big loss
07 ☐ Other (specify)

C104g1. Please specify the other...

E c104g.Contains(7)

TEXT c104g1

C105g. Among activities (%value_c100%) related to Pulses/oilseed trading, what share of annual income does Bean Cake manufacturing activity account for? %...

E c102g==1
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL c105g

STATIC TEXT

E c100.Contains(8)

Pulses byproducts trading

C101h. In what year did the owner of this business first engage in Pulses byproducts trading?

E c100.Contains(8)
V1 $Year
M1 Enter valid year...

NUMERIC: INTEGER c101h

C102h. Does the owner of this business enagage in Pulses byproducts trading at present?

E c100.Contains(8)

SINGLE-SELECT c102h

01 ○ Yes
02 ○ No

C103h. In what year did the owner of this business stop operating Pulses byproducts trading?

I Please enter 9997, if the respondent doesn't know the year.
E c102h==2
V1 self>c101h && $Year
M1 Stop year should greater than the engage year and the year you enter ed should not exceed 2017.

NUMERIC: INTEGER c103h

C104h. Why did the owner of this business stop operating Pulses byproducts trading?

E c102h==2

MULTI-SELECT c104h

01 ☐ Insufficient local demand for product
02 ☐ Could not compete with imported products
03 ☐ Could not compete with locally manufactured products from bigger enterprises
04 ☐ Could not meet quality standards
05 ☐ Insufficient access to capital

06 ☐ Made big loss
07 ☐ Other (specify)

C104h1. Please specify the other...

E c104h.Contains(7)

TEXT c104h1

C105h. Among activities (%value_c100%) related to Pulses/oilseed trading, what share of annual income does Pulses byproducts trading activity account for? %...

E c102h==1
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL c105h

VARIABLE

(c105a.HasValue? c105a:0)+ (c105b.HasValue? c105b:0)+ (c105c.HasValue? c105c:0)+ (c105d.HasValue? c105d:0)+ (c105e.HasValue? c105e:0)+ (c105f.HasValue? c105f:0)+ (c105g.HasValue? c105g:0)+ (c105h.HasV

And 14 other symbols [2]

DOUBLE share income

STATIC TEXT

E share_income!=100

TOTAL SHARE OF ANNUAL INCOME FOR EACH ACTIVITIES MUST BE 100%.

C106. Which of the following crops does this business trade at present?

E c100.Contains(1)

MULTI-SELECT c106

01 ☐ Peanut
02 ☐ Sesame
03 ☐ Green Gram
04 ☐ Black Gram
05 ☐ Chick Pea
06 ☐ Pigeon Pea
07 ☐ Sunflower
08 ☐ Canola/mustard
09 ☐ Niger
10 ☐ Kidney bean
11 ☐ Butter bean
12 ☐ Rice bean
13 ☐ Lablab bean
14 ☐ Wheat
15 ☐ Other 1 (Specify)
16 ☐ Other 2 (Specify)

C106a. Please specify the other 1...

E c106.Contains(15)

TEXT c106a

C106b. Please specify the other 2...

E c106.Contains(16)

TEXT c106b

C. BUSINESS DETAILS

Roster: CROPS:

generated by multi-select question c106 crops_2017

C107a. What quantity of %crops_2017% did this business buy in the last 12 months?

NUMERIC: DECIMAL c107a

c107a1. Unit ...

SINGLE-SELECT c107a1

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)

03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

C107a2. Please specify other ...

TEXT c107a2

E c107a1==99

C107a3. Out of %c107a% - %c107a1% of Peanut traded in last 12 months, what quantity of %c107a1% was with shell?

NUMERIC: INTEGER c107a3

E @rowcode==1
V1 self<=c107a
M1 ERROR! Please check again...

C107a4. Out of %c107a% - %c107a1% of Peanut traded in last 12 months, what quantity of %c107a1% was without shell?

NUMERIC: INTEGER c107a4

E @rowcode==1
V1 self<=c107a
M1 ERROR! Please check again...

C107b. Out of %c107a% - %c107a1% of Peanut traded in last 12 months, what share was Red?
%...

NUMERIC: DECIMAL c107b

E @rowcode==1
V1 self<=100
M1 Percentage should not be more than 100.

C107c. Out of %c107a% - %c107a1% of Peanut traded in last 12 months, what share was White?
%...

NUMERIC: DECIMAL c107c

E @rowcode==1
V1 self<=100
M1 Percentage should not be more than 100.

C107d. Out of %c107a% - %c107a1% of Peanut traded in last 12 months, what share was Other colors?
%...

NUMERIC: DECIMAL c107d

E @rowcode==1
V1 self<=100
M1 Percentage should not be more than 100.

VARIABLE

```
(c107b.HasValue? c107b:0)+ (c107c.HasValue? c107c:0)+ (c107d.HasValue? c107d:0)
```

DOUBLE share_peanut

STATIC TEXT

E share_peanut!=100 && @rowcode==1

ERROR
TOTAL SHARE MUST BE 100%.

C107e. Out of %c107a% - %c107a1% of Sesame traded in last 12 months, what share was Black?
%...

NUMERIC: DECIMAL c107e

E @rowcode==2
V1 self<=100
M1 Percentage should not be more than 100.

C107f. Out of %c107a% - %c107a1% of Sesame traded in last 12 months, what share was White?
%...

NUMERIC: DECIMAL c107f

E @rowcode==2
V1 self<=100
M1 Percentage should not be more than 100.

C107g. Out of %c107a% - %c107a1% of Sesame traded in last 12 months, what share was Other colors?
%...

NUMERIC: DECIMAL c107g

E @rowcode==2
V1 self<=100
M1 Percentage should not be more than 100.

VARIABLE

(c107e.HasValue? c107e:0)+ (c107f.HasValue? c107f:0)+ (c107g.HasValue? c107g:0)

DOUBLE share_sesame

STATIC TEXT

E share_sesame!=100 && @rowcode==2

ERROR
TOTAL SHARE MUST BE 100%.

C109. Overall, what was the most important and main earning crop traded by this business in 2017?
Choose one...

SINGLE-SELECT c109

I Choose only main earning crop for this business
F c106.Contains(@optioncode)

01 ○ Peanut
02 ○ Sesame
03 ○ Green Gram
04 ○ Black Gram
05 ○ Chick Pea
06 ○ Pigeon Pea
07 ○ Sunflower
08 ○ Canola/mustard
09 ○ Niger
10 ○ Kidney bean
11 ○ Butter bean
12 ○ Rice bean
13 ○ Lablab bean
14 ○ Wheat
15 ○ Other 1 (Specify)
16 ○ Other 2 (Specify)

C109a. Please Specify other 1...

TEXT c109a

E c109==15

C109b. Please Specify other 2...

TEXT c109b

E c109==16

C111. Which of the following crops did this business trade in 2012?

MULTI-SELECT c111

E (c101a<=2012 && c102a==1) || (c101b<=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c101d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c101f<=2012 && c102f==1) || (c101g<=2012 && c102g==1) And 28 other symbols [1]

01 ☐ Peanut
02 ☐ Sesame
03 ☐ Green Gram
04 ☐ Black Gram
05 ☐ Chick Pea
06 ☐ Pigeon Pea
07 ☐ Sunflower
08 ☐ Canola/mustard
09 ☐ Niger
10 ☐ Kidney bean
11 ☐ Butter bean
12 ☐ Rice bean

13 ☐ Lablab bean
14 ☐ Wheat
15 ☐ Other 1 (Specify)
16 ☐ Other 2 (Specify)

C111a. Please Specify other 1...

E c111.Contains(15)

TEXT c111a

C111b. Please Specify other 2...

E c111.Contains(16)

TEXT c111b

C. BUSINESS DETAILS

Roster: CROPS:

generated by multi-select question c111 crops_2012

C112a. What quantity of %crops_2012% did this business buy in 2012?

NUMERIC: INTEGER c112a

c112a1. Unit ...

SINGLE-SELECT c112a1

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

C112a2. Please specify other ...

E c112a1==99

TEXT c112a2

C112a3. Out of %c112a% - %c112a1% of Peanut traded in 2012, what quantity of %c112a1% was with shell?

E @rowcode==1
V1 self<=c112a
M1 ERROR! Please check again...

NUMERIC: INTEGER c112a3

C112a4. Out of %c112a% - %c112a1% of Peanut traded in 2012, what quantity of %c112a1% was without shell?

E @rowcode==1
V1 self<=c112a
M1 ERROR! Please check again...

NUMERIC: INTEGER c112a4

C112b. Out of %c112a% - %c112a1% of Peanut traded in 2012, what share was Red? %...

E @rowcode==1
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: INTEGER c112b

C112c. Out of %c112a% - %c112a1% of Peanut traded in 2012, what share was White? %...

E @rowcode==1
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: INTEGER c112c

C112d. Out of %c112a% - %c112a1% of Peanut traded in 2012, what share was Other colors?

NUMERIC: INTEGER c112d

%...

E @rowcode==1
V1 self<=100
M1 Percentage should not be more than 100.

VARIABLE

(c112b.HasValue? c112b:0)+ (c112c.HasValue? c112c:0)+ (c112d.HasValue? c112d:0)

DOUBLE share_peanut_2012

STATIC TEXT

E share_peanut_2012!=100 && @rowcode==1

ERROR
TOTAL SHARE MUST BE 100%.

C112e. Out of %c112a% - %c112a1% of Sesame traded in 2012, what share was Black?
%...

NUMERIC: INTEGER c112e

E @rowcode==2
V1 self<=100
M1 Percentage should not be more than 100.

C112f. Out of %c112a% - %c112a1% of Sesame traded in 2012, what share was White?
%...

NUMERIC: INTEGER c112f

E @rowcode==2
V1 self<=100
M1 Percentage should not be more than 100.

C112g. Out of %c112a% - %c112a1% of Sesame traded in 2012, what share was Other colors?
%...

NUMERIC: INTEGER c112g

E @rowcode==2
V1 self<=100
M1 Percentage should not be more than 100.

VARIABLE

(c112e.HasValue? c112e:0)+ (c112f.HasValue? c112f:0)+ (c112g.HasValue? c112g:0)

DOUBLE share_sesame_2012

STATIC TEXT

E share_sesame_2012!=100 && @rowcode==2

ERROR
TOTAL SHARE MUST BE 100%.

C114. Is this business a member of any commodity exchange center?

SINGLE-SELECT c114
01 ○ Yes
02 ○ No

C115. Which commodity exchange centers is this business a member of?

E c114==1

MULTI-SELECT c115
01 ☐ Mandalay
02 ☐ Magway
03 ☐ Shwe Bo
04 ☐ Pakkoku
05 ☐ Monywa
06 ☐ Yangon
99 ☐ Other (specify)

C115a. Please specify other place..

E c115.Contains(99)

TEXT c115a

C116. In what year, did this business become a member of Mandalay Commodity Exchange

NUMERIC: INTEGER c116

Centre?

I Please enter 9997, if the respondent doesn't know the year.
E c115.Contains(1)

C117. In what year, did this business become a member of Magway Commodity Exchange Centre?

NUMERIC: INTEGER c117

I Please enter 9997, if the respondent doesn't know the year.
E c115.Contains(2)

C118. In what year, did this business become a member of Shwebo Commodity Exchange Centre?

NUMERIC: INTEGER c118

I Please enter 9997, if the respondent doesn't know the year.
E c115.Contains(3)

C119. In what year, did this business become a member of Pakkoku Commodity Exchange Centre?

NUMERIC: INTEGER c119

I Please enter 9997, if the respondent doesn't know the year.
E c115.Contains(4)

C120. In what year, did this business become a member of Monywa Commodity Exchange Centre?

NUMERIC: INTEGER c120

I Please enter 9997, if the respondent doesn't know the year.
E c115.Contains(5)

C121. In what year, did this business become a member of Yangon Commodity Exchange Centre?

NUMERIC: INTEGER c121

I Please enter 9997, if the respondent doesn't know the year.
E c115.Contains(6)

C122. In what year, did this business become a member of %c115a% Commodity Exchange Centre?

NUMERIC: INTEGER c122

I Please enter 9997, if the respondent doesn't know the year.
E c115.Contains(99)

E. SAMPLE COMMODITY

E. SAMPLE COMMODITY
SEASON

E178a. Were there any months in which the respondent's business did not trade %c109%?

SINGLE-SELECT e178a

01 ○ Yes
02 ○ No

E178b. The respondent's business did not trade %c109%in which of the past 12 months?

E e178a==1

MULTI-SELECT e178b

01 ☐ January
02 ☐ February
03 ☐ March
04 ☐ April
05 ☐ May
06 ☐ June

07 ☐ July
08 ☐ August
09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December

VARIABLE

```
e178b.Length>1? e178b.Length:0
```

DOUBLE `not_trade_e178b`

E178_before. Among the months when you trade %c109%, were there any months when you trade more than others months?

SINGLE-SELECT `e178_before`

01 ○ Yes
02 ○ No

E178. Which of the past 12 months were HIGH season for trading %c109%?

E `e178_before==1`
V1 `!e178b.ContainsAny(self)`
M1 Respondent did not trade this month.

MULTI-SELECT `e178`

01 ☐ January
02 ☐ February
03 ☐ March
04 ☐ April
05 ☐ May
06 ☐ June
07 ☐ July
08 ☐ August
09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December

VARIABLE

```
e178.Length>=1? e178.Length:0
```

DOUBLE `high_season`

VARIABLE

```
(e178.Contains(1)? " Jan,":"")+ (e178.Contains(2)? " Feb
,":"")+ (e178.Contains(3)? " Mar,":"")+ (e178.Contains(4
)? " Apr,":"")+ (e178.Contains(5)? " May,":"")+ (e178.Co
ntains(6)? " Jun,":"")+ (e178.Co
```

And 184 other symbols [3]

STRING `high_e178`

E179. For how many days per month did the business procure %c109% during the most recent high seasons(%high_e178%)?

E `e178_before==1`
V1 `self<=31`
M1 Please enter a valid number ...

NUMERIC: INTEGER `e179`

E180. What quantity of %c109% did the business procure per day on average during the most recent high season?

I If peanut is the most important crop, and the trader bought both with a nd without shell peanuts, please check with the trader and add a note t hat which type of peanut is the more important one."
E `e178_before==1`

NUMERIC: DECIMAL `e180`

E180a. Unit ...

E `IsAnswered(e180)`

SINGLE-SELECT `e180a`

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E180b. Please specify other ...

E `e180a==99`

TEXT `e180b`

E181. What was the average price paid per (viss/bag/basket) of %c109% during the most recent high season?

E `e178_before==1`

NUMERIC: DECIMAL e181

E181a. MMK or Lakh Kyat ?

E `IsAnswered(e181)`

V1 `(e181.InRange(1,99999)&&self==1)||(e181.InRange(0.1,200)&&self==2)`

M1 ERROR! MMK or Lakh? The selected options is not consistent...

SINGLE-SELECT e181a

01 ○ MMK
02 ○ Lakh Kyat

E181b. Per ...

E `IsAnswered(e181)`

SINGLE-SELECT e181b

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E181c. Please specify other ...

E `e181b==99`

TEXT e181c

E1811. What was the Maximum price (%e181a%) paid per (%e181b%) of %c109% during the most recent high season?

E `e178_before==1`

V1 `self>=e181`

M1 Error! Maximum price should not less than average price.

NUMERIC: DECIMAL e1811

E1812. What was the Minimum price (%e181a%) paid per (%e181b%) of %c109% during the most recent high season?

E `e178_before==1`

V1 `self<=e181`

M1 Error! Minimum price should not be more than average price.

NUMERIC: DECIMAL e1812

E182. For how many days per month did the business procure %c109% during high season in 2012?

E `IsAnswered(e178) && ((c101a<=2012 && c102a==1) || (c101b<=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c101d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c101f<=2012 && c102f==1) || (c101` And 50 other symbols [2]

V1 `self<=31`

M1 Please enter a valid number ...

NUMERIC: INTEGER e182

E183. What quantity of %c109% did the business procure per day on average during high season in 2012?

E `IsAnswered(e178) && ((c101a<=2012 && c102a==1) || (c101b<=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c101d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c101f<=2012 && c102f==1) || (c101` And 50 other symbols [3]

NUMERIC: INTEGER e183

E183a. Unit ...

E `IsAnswered(e183)`

SINGLE-SELECT e183a

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E183b. Please specify other ...

E `e183a==99`

TEXT e183b

E184_before. Among the months when you trade %c109%, were there any months when you trade lower than others months?

E (e178_before==1 && e178.Length<12) || e178_before==2

SINGLE-SELECT e184_before

01 ○ Yes
02 ○ No

E184. Which of the past 12 months were LOW season for trading %c109%?

E e184_before==1
V1 !e178b.ContainsAny(self) && !e178.ContainsAny(self)
M1 ERROR! check again...

MULTI-SELECT e184

01 ☐ January
02 ☐ February
03 ☐ March
04 ☐ April
05 ☐ May
06 ☐ June
07 ☐ July
08 ☐ August
09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December

VARIABLE

e184.Length>=1? e184.Length:0

DOUBLE low_season

VARIABLE

(e184.Contains(1)? " Jan,":"")+ (e184.Contains(2)? " Feb ,":"")+ (e184.Contains(3)? " Mar,":"")+ (e184.Contains(4)? " Apr,":"")+ (e184.Contains(5)? " May,":"")+ (e184.Co ntains(6)? " Jun,":"")+ (e184.Co

And 184 other symbols [4]

STRING low_e184

E185. For how many days per month did the business procure %c109% during the most recent low seasons(%low_e184%)?

E IsAnswered(e184)
V1 self<=31
M1 Please enter a valid number ...

NUMERIC: INTEGER e185

E186. What quantity of %c109% did the business procure per day on average during the most recent low season?

E IsAnswered(e184)

NUMERIC: INTEGER e186

E186a. Unit ...

E IsAnswered(e186)

SINGLE-SELECT e186a

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E186b. Please specify other ...

E e186a==99

TEXT e186b

E187. What was the average price paid per (viss/bag/basket) of %c109% during the most recent low season?

E IsAnswered(e184)

NUMERIC: DECIMAL e187

E187a. MMK or Lakh Kyat ?

E IsAnswered(e187)
V1 (e187.InRange(1,99999)&&self==1)||(e187.InRange(0.1,200)

SINGLE-SELECT e187a

01 ○ MMK
02 ○ Lakh Kyat

&&self==2)

M1 ERROR! MMK or Lakh ? The selected option is not consistent...

E187b. Per ...

E IsAnswered(e187)

SINGLE-SELECT e187b

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E187c. Please specify other ...

E e187b==99

TEXT e187c

E1877. What was the Maximum price (%e187a%) paid per (%e187b%) of %c109% during the most recent low season?

E IsAnswered(e184)

V1 self>=e187

M1 Error! Maximum price should not be less than average price.

NUMERIC: DECIMAL e1877

E1878. What was the Minimum price (%e187a%) paid per (%e187b%) of %c109% during the most recent low season?

E IsAnswered(e184)

V1 self<e187

M1 Error! Minimum price should not be more than average price.

NUMERIC: DECIMAL e1878

E188. For how many days per month did the business procure %c109% during low season in 2012?

E IsAnswered(e184) && ((c101a<=2012 && c102a==1) || (c101b <=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c10 1d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c 101f<=2012 && c102f==1) || (c101 And 50 other symbols [4]

V1 self<=31

M1 Please enter a valid number ...

NUMERIC: INTEGER e188

E189. What quantity of %c109% did the business procure per day on average during low season in 2012?

E IsAnswered(e184) && ((c101a<=2012 && c102a==1) || (c101b <=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c10 1d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c 101f<=2012 && c102f==1) || (c101 And 50 other symbols [5]

NUMERIC: INTEGER e189

E189a. Unit ...

E IsAnswered(e189)

SINGLE-SELECT e189a

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E189b. Please specify other ...

E e189a==99

TEXT e189b

STATIC TEXT

E (e178_before==2 && e184_before==2) || (e178_before==1 && high_season<12 && e184_before==2 && e178a==2) || (e178_befo re==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) || (e184_be And 317 other symbols [18]

INTERMEDIATE SEASON(s)

E191. For how many days per month did the business procure %c109% during the most

NUMERIC: INTEGER e191

recent INTERMEDIATE season?

E `(e178_before==2 && e184_before==2) || (e178_before==1 && high_season<12 && e184_before==2 && e178a==2) || (e178_before==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) || (e184_be` And 317 other symbols [6]

V1 `self<=31`

M1 Please enter a valid number ...

E192. What quantity of %c109% did the business procure per day on average during the most recent INTERMEDIATE season?

NUMERIC: INTEGER e192

E `(e178_before==2 && e184_before==2) || (e178_before==1 && high_season<12 && e184_before==2 && e178a==2) || (e178_before==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) || (e184_be` And 317 other symbols [7]

E192a. Unit ...

E `IsAnswered(e192)`

SINGLE-SELECT e192a

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E192b. Please specify other ...

E `e192a==99`

TEXT e192b

E193. What was the average price paid per (viss/bag/basket) of %c109% during the most recent INTERMEDIATE season?

NUMERIC: DECIMAL e193

E `(e178_before==2 && e184_before==2) || (e178_before==1 && high_season<12 && e184_before==2 && e178a==2) || (e178_before==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) || (e184_be` And 317 other symbols [8]

E193a. MMK or Lakh Kyat ?

E `IsAnswered(e193)`

V1 `(e193.InRange(1,99999)&&self==1)||(e193.InRange(0.1,200)&&self==2)`

M1 ERROR! MMK or Lakh Kyat? The selected option is not consistent...

SINGLE-SELECT e193a

01 ○ MMK
02 ○ Lakh Kyat

E193b. Per ...

E `IsAnswered(e193)`

SINGLE-SELECT e193b

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E193c. Please specify other ...

E `e193b==99`

TEXT e193c

E1933. What was the Maximum price (%e193a%) paid per %e193b% of %c109% during the most recent intermediate season?

NUMERIC: DECIMAL e1933

E `(e178_before==2 && e184_before==2) || (e178_before==1 && high_season<12 && e184_before==2 && e178a==2) || (e178_before==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) || (e184_be` And 317 other symbols [9]

V1 `self>=e193`

M1 Error! Maximum price should not be less than average price.

E1934. What was the Minimum price (%e193a%) paid per %e193b% of %c109% during the most recent intermediate season?

NUMERIC: DECIMAL e1934

E (e178_before==2 && e184_before==2) || (e178_before==1 && high_season<12 && e184_before==2 && e178a==2) || (e178_before==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) || (e184_be And 317 other symbols [10]

V1 self<e193

M1 Error! Minimum price should not be more than average price.

E194. For how many days per month did the business procure %c109% during INTERMEDIATE season in 2012?

NUMERIC: INTEGER e194

E IsAnswered(e1934) && ((c101a<=2012 && c102a==1) || (c101b<=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c101d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c101f<=2012 && c102f==1) || (c10 And 51 other symbols [11]

V1 self<=31

M1 Please enter a valid number ...

E195. What quantity of %c109% did the business procure per day on average during INTERMEDIATE season in 2012?

NUMERIC: INTEGER e195

E IsAnswered(e194) && ((c101a<=2012 && c102a==1) || (c101b<=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c101d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c101f<=2012 && c102f==1) || (c101 And 50 other symbols [12]

E195a. Unit ...

SINGLE-SELECT e195a

E IsAnswered(e195)

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E195b. Please specify other ...

TEXT e195b

E e195a==99

E. SAMPLE COMMODITY

TRADING

E100.How did you trade %c109% during the last 12 months?

MULTI-SELECT e100

01 ☐ Wholesaler (buy product from farmers or traders and resell to wholesalers/retailers)
02 ☐ Agent (source product on behalf of another buyer and earns a commission)
03 ☐ Broker (make a commission for organizing sale between buyers and sellers in a single location)
04 ☐ Retailer (buy from wholesaler or broker and sell to consumer)
05 ☐ Exporter (Source product in Myanmar and sell to buyers abroad)
06 ☐ Importer (Source product from sellers abroad and sell to buyers in Myanmar)
99 ☐ Other (specify)

E100a. Please specify other...

TEXT e100a

E e100.Contains(99)

VARIABLE

(e100.Contains(1)? " လက္ကားေရာင္းဝယ္သူ":"")+ (e100.Conta

STRING trade_e100

ins(2)? " အဝယ်တော့၊":"")+ (e100.Contains(3)? " ပဋ္ဌစား၊":"")+ (e100.Contains(4)? " လက်လီရောင်းဝယ်သူ၊":"")+ (e100.Contains(5)? " ပို့ကုန်လုပ်ငန်း

And 60 other symbols [5]

STATIC TEXT

During the last 12 months, you traded as %trade_e100%.

E101a. What share of the quantity that you traded of %c109% during the last 12 months were made as a Wholesaler?
%

E e100.Contains(1)
V1 self<=100
M1 Please enter a valid percentage ...

NUMERIC: DECIMAL e101a

E101b. What share of the quantity that you traded of %c109% during the last 12 months were made as a Agent?
%...

E e100.Contains(2)
V1 self<=100
M1 Please enter a valid percentage ...

NUMERIC: DECIMAL e101b

E101c. What share of the quantity that you traded of %c109% during the last 12 months were made as a Broker?
%...

E e100.Contains(3)
V1 self<=100
M1 Please enter a valid percentage ...

NUMERIC: INTEGER e101c

E101c1. When you traded as a broker of %c109% during the last 12 months, how much did you charge for facilitating each transaction?
%...

E e100.Contains(3)
V1 self<=100
M1 Please enter a valid percentage ...

NUMERIC: DECIMAL e101c1

E101d. What share of the quantity that you traded of %c109% during the last 12 months were made as a Retailer?
%

E e100.Contains(4)
V1 self<=100
M1 Please enter a valid percentage ...

NUMERIC: INTEGER e101d

E101e. What share of the quantity that you traded of %c109% during the last 12 months were made as a Exporter?
%...

E e100.Contains(5)
V1 self<=100
M1 Please enter a valid percentage ...

NUMERIC: INTEGER e101e

E101f. What share of the quantity that you traded of %c109% during the last 12 months were made as a Importer?
%...

E e100.Contains(6)

NUMERIC: INTEGER e101f

V1 self<=100
M1 Please enter a valid percentage ...

VARIABLE

```
(e101a.HasValue? e101a:0)+ (e101b.HasValue? e101b:0)+ (e
101c.HasValue? e101c:0)+ (e101d.HasValue? e101d:0)+ (e10
1e.HasValue? e101e:0)+ (e101f.HasValue? e101f:0)
```

DOUBLE share_trade_2017

STATIC TEXT

E share_trade_2017!=100

ERROR
Total share must be 100%.

E102. How did you trade %c109% in 2012?

E ((c101a<=2012 && c102a==1) || (c101b<=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c101d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c101f<=2012 && c102f==1) || (c101g<=2012 && c102g==1) And 30 other symbols [13]

MULTI-SELECT e102

- 01 ☐ Wholesaler (buy product from farmers or traders and resell to wholesalers/retailers)
- 02 ☐ Agent (source product on behalf of another buyer and earns a commission)
- 03 ☐ Broker (make a commission for organizing sale between buyers and sellers in a single location)
- 04 ☐ Retailer (buy from wholesaler or broker and sell to consumer)
- 05 ☐ Exporter (Source product in Myanmar and sell to buyers abroad)
- 06 ☐ Importer (Source product from sellers abroad and sell to buyers in Myanmar)
- 07 ☐ NA (if they don't trade major crop of 2017 in 2012)
- 99 ☐ Other (specify)

E102a. Please specify other...

E e102.Contains(99)

TEXT e102a

VARIABLE

```
(e102.Contains(1)? " Wholesaler,":"")+ (e102.Contains(2)
? " Agent,":"")+ (e102.Contains(3)? " Broker,":"")+ (e10
2.Contains(4)? " Retailer,":"")+ (e102.Contains(5)? " Ex
porter,":"")+ (e102.Contains(6)?
```

And 17 other symbols [6]

STRING trade_e102

STATIC TEXT

During 2012, you traded as %trade_e102%

E103a. What share of the quantity that you traded of %c109% (by value) were made as a Wholesaler during 2012?
%...

E e102.Contains(1)
V1 self<=100
M1 Please enter a valid percentage ...

NUMERIC: DECIMAL e103a

E103b. What share of the quantity that you traded of %c109% (by value) were made as a Agent during 2012?
%...

E e102.Contains(2)
V1 self<=100
M1 Please enter a valid percentage ...

NUMERIC: DECIMAL e103b

E103c. What share of the quantity that you traded of %c109% (by value) were made as a Broker during 2012?
%...

NUMERIC: DECIMAL e103c

E e102.Contains(3)
V1 self<=100
M1 Please enter a valid percentage ...

E103d. What share of the quantity that you traded of %c109% (by value) were made as a Retailer during 2012?
%...

NUMERIC: DECIMAL e103d

E e102.Contains(4)
V1 self<=100
M1 Please enter a valid percentage ...

E103e. What share of the quantity that you traded of %c109% (by value) were made as a Exporter during 2012?
%...

NUMERIC: DECIMAL e103e

E e102.Contains(5)
V1 self<=100
M1 Please enter a valid percentage ...

E103f. What share of the quantity that you traded of %c109% (by value) were made as a Importer during 2012?
%...

NUMERIC: INTEGER e103f

E e102.Contains(6)
V1 self<=100
M1 Please enter a valid percentage ...

VARIABLE

```
(e103a.HasValue? e103a:0)+ (e103b.HasValue? e103b:0)+ (e
103c.HasValue? e103c:0)+ (e103d.HasValue? e103d:0)+ (e10
3e.HasValue? e103e:0)+ (e103f.HasValue? e103f:0)
```

DOUBLE share_trade_2012

STATIC TEXT

E share_trade_2012!=100

ERROR
Total share must be 100%.

E104a. In which year did you first begin trading as Wholesaler?

NUMERIC: INTEGER e104a

E e100.Contains(1)
V1 $Year
M1 Please enter a valid year...

E104b. In which year did you first begin trading as Agent?

NUMERIC: INTEGER e104b

E e100.Contains(2)
V1 $Year
M1 Please enter a valid year...

E104c. In which year did you first begin trading as Broker?

NUMERIC: INTEGER e104c

E e100.Contains(3)
V1 $Year
M1 Please enter a valid year...

E104d. In which year did you first begin trading

NUMERIC: INTEGER e104d

as Retailer?

E e100.Contains(4)
V1 $Year
M1 Please enter a valid year...

E104e. In which year did you first begin trading as Exporter?

NUMERIC: INTEGER e104e

E e100.Contains(5)
V1 $Year
M1 Please enter a valid year...

E104f. In which year did you first begin trading as Importer?

NUMERIC: INTEGER e104f

E e100.Contains(6)
V1 $Year
M1 Please enter a valid year...

E. SAMPLE COMMODITY / TRADING

AGENT

E e100.Contains(2)

E105. Which type of business do you act as an agent for?

MULTI-SELECT e105

- 01 ☐ Exporter
- 02 ☐ Wholesaler in local urban area
- 03 ☐ Wholesaler in distant urban area
- 04 ☐ Oil mill
- 05 ☐ Other food processing business (specify)
- 06 ☐ Other (specify)

E105s1. Please specify other food processing business...

TEXT e105s1

E e105.Contains(5)

E105s2. Please specify other ...

TEXT e105s2

E e105.Contains(6)

E. SAMPLE COMMODITY / TRADING / AGENT

Roster: AGENT:

generated by multi-select question e105 agent

E106. How many %agent% do you act as an agent for?

NUMERIC: INTEGER e106

E107_1. Where is [1] of %agent% located?

SINGLE-SELECT e107_1

E e106>=1

- 01 ○ Yangon
- 02 ○ Mandalay
- 03 ○ Monywa
- 04 ○ Pakkoku
- 05 ○ Magway
- 06 ○ China
- 07 ○ India
- 99 ○ Other (specify)

E107_1a. Please specify other...

TEXT e107_1a

E e107_1==99

E107_2. Where is [2] of %agent% located?

E e106>=2

SINGLE-SELECT e107_2

01 ○ Yangon
02 ○ Mandalay
03 ○ Monywa
04 ○ Pakkoku
05 ○ Magway
06 ○ China
07 ○ India
99 ○ Other (specify)

E107_2a. Please specify other...

E e107_2==99

TEXT e107_2a

E107_3. Where is [3] of %agent% located?

E e106>=3

SINGLE-SELECT e107_3

01 ○ Yangon
02 ○ Mandalay
03 ○ Monywa
04 ○ Pakkoku
05 ○ Magway
06 ○ China
07 ○ India
99 ○ Other (specify)

E107_3a. Please specify other...

E e107_3==99

TEXT e107_3a

E107_4. Where is [4] of %agent% located?

E e106>=4

SINGLE-SELECT e107_4

01 ○ Yangon
02 ○ Mandalay
03 ○ Monywa
04 ○ Pakkoku
05 ○ Magway
06 ○ China
07 ○ India
99 ○ Other (specify)

E107_4a. Please specify other...

E e107_4==99

TEXT e107_4a

E107_5. Where is [5] of %agent% located?

E e106>=5

SINGLE-SELECT e107_5

01 ○ Yangon
02 ○ Mandalay
03 ○ Monywa
04 ○ Pakkoku
05 ○ Magway
06 ○ China
07 ○ India
99 ○ Other (specify)

E107_5a. Please specify other...

E e107_5==99

TEXT e107_5a

E107_6. Where is [6] of %agent% located?

E e106>=6

SINGLE-SELECT e107_6

01 ○ Yangon
02 ○ Mandalay
03 ○ Monywa
04 ○ Pakkoku
05 ○ Magway
06 ○ China
07 ○ India

99 ○ Other (specify)

E107_6a. Please specify other...

E e107_6==99

TEXT e107_6a

E107_7. Where is [7] of %agent% located?

E e106>=7

SINGLE-SELECT e107_7

01 ○ Yangon
02 ○ Mandalay
03 ○ Monywa
04 ○ Pakkoku
05 ○ Magway
06 ○ China
07 ○ India
99 ○ Other (specify)

E107_7a. Please specify other...

E e107_7==99

TEXT e107_7a

E107_8. Where is [8] of %agent% located?

E e106>=8

SINGLE-SELECT e107_8

01 ○ Yangon
02 ○ Mandalay
03 ○ Monywa
04 ○ Pakkoku
05 ○ Magway
06 ○ China
07 ○ India
99 ○ Other (specify)

E107_8a. Please specify other...

E e107_8==99

TEXT e107_8a

E107_9. Where is [9] of %agent% located?

E e106>=9

SINGLE-SELECT e107_9

01 ○ Yangon
02 ○ Mandalay
03 ○ Monywa
04 ○ Pakkoku
05 ○ Magway
06 ○ China
07 ○ India
99 ○ Other (specify)

E107_9a. Please specify other...

E e107_9==99

TEXT e107_9a

E107_10. Where is [10] of %agent% located?

E e106>=10

SINGLE-SELECT e107_10

01 ○ Yangon
02 ○ Mandalay
03 ○ Monywa
04 ○ Pakkoku
05 ○ Magway
06 ○ China
07 ○ India
99 ○ Other (specify)

E107_10a. Please specify other...

E e107_10==99

TEXT e107_10a

E108. When you act as an agent for %agent% how much do you usually charge as a commission on each transaction?

NUMERIC: DECIMAL e108

%

V1 self<=100
M1 Please enter a valid percentage...

E. SAMPLE COMMODITY

EXPORT

E e100.Contains(5) || e102.Contains(5)

E109. What share of %c109% you traded during the last 12 months was exported.
%

NUMERIC: INTEGER e109

E e100.Contains(5)
V1 self<=100
M1 Please enter a valid percentage...

E110. Which countries did you export to in the last 12 months?

MULTI-SELECT e110

E e100.Contains(5)

- 01 ☐ India
- 02 ☐ China
- 03 ☐ Thailand
- 04 ☐ Japan
- 05 ☐ Europe
- 06 ☐ Singapore
- 99 ☐ Other (specify)

E110a. Please specify other...

TEXT e110a

E e110.Contains(99)

E111a. What share of the the %c109% that you exported in the last 12 months was sold to India?
%

NUMERIC: INTEGER e111a

E e110.Contains(1)
V1 self<=100
M1 Please enter a valid percentage...

E111b. What share of the the %c109% that you exported in the last 12 months was sold to China?
%

NUMERIC: INTEGER e111b

E e110.Contains(2)
V1 self<=100
M1 Please enter a valid percentage...

E111c. What share of the the %c109% that you exported in the last 12 months was sold to Thailand?
%

NUMERIC: INTEGER e111c

E e110.Contains(3)
V1 self<=100
M1 Please enter a valid percentage...

E111d. What share of the the %c109% that you exported in the last 12 months was sold to Japan?
%

NUMERIC: INTEGER e111d

E e110.Contains(4)
V1 self<=100
M1 Please enter a valid percentage...

E111e. What share of the the %c109% that you exported in the last 12 months was sold to Europe?
%

NUMERIC: INTEGER e111e

E e110.Contains(5)
V1 self<=100
M1 Please enter a valid percentage...

E111f. What share of the the %c109% that you exported in the last 12 months was sold to Singapore?
%

NUMERIC: INTEGER e111f

E e110.Contains(6)
V1 self<=100
M1 Please enter a valid percentage...

VARIABLE

```
(e111a.HasValue? e111a:0)+ (e111b.HasValue? e111b:0)+ (e111c.HasValue? e111c:0)+ (e111d.HasValue? e111d:0)+ (e111e.HasValue? e111e:0)+ (e111f.HasValue? e111f:0)
```

DOUBLE share_export_2017

STATIC TEXT

E share_export_2017!=100

Error
TOTAL SHARE MUST BE 100%.

E112. Which countries did you export to in 2012?

MULTI-SELECT e112

E e102.Contains(5) && ((c101a<=2012 && c102a==1) || (c101b<=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c101d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c101f<=2012 && c102f==1) || (c101 And 50 other symbols [14]

- 01 ☐ India
- 02 ☐ China
- 03 ☐ Thailand
- 04 ☐ Japan
- 05 ☐ Europe
- 06 ☐ Singapore
- 07 ☐ NA (if they don't export major crop of 2017 in 2012)
- 99 ☐ Other (specify)

E112a. Please specify other...

TEXT e112a

E e112.Contains(99)

E113a. What share of the %c109% that you exported in 2012 was sold to India?
%

NUMERIC: INTEGER e113a

E e112.Contains(1)
V1 self<=100
M1 Please enter a valid percentage...

E113b. What share of the %c109% that you exported in 2012 was sold to China?
%

NUMERIC: INTEGER e113b

E e112.Contains(2)
V1 self<=100
M1 Please enter a valid percentage...

E113c. What share of the %c109% that you exported in 2012 was sold to Thailand?
%

NUMERIC: INTEGER e113c

E e112.Contains(3)
V1 self<=100
M1 Please enter a valid percentage...

E113d. What share of the %c109% that you

NUMERIC: INTEGER e113d

exported in 2012 was sold to Japan?
%

E e112.Contains(4)
V1 self<=100
M1 Please enter a valid percentage...

E113e. What share of the %c109% that you exported in 2012 was sold to Europe?
%

NUMERIC: INTEGER e113e

E e112.Contains(5)
V1 self<=100
M1 Please enter a valid percentage...

E113f. What share of the %c109% that you exported in 2012 was sold to Singapore?
%

NUMERIC: INTEGER e113f

E e112.Contains(6)
V1 self<=100
M1 Please enter a valid percentage...

VARIABLE

```
(e113a.HasValue? e113a:0)+ (e113b.HasValue? e113b:0)+ (e
113c.HasValue? e113c:0)+ (e113d.HasValue? e113d:0)+ (e11
3e.HasValue? e113e:0)+ (e113f.HasValue? e113f:0)
```

DOUBLE share export 2012

STATIC TEXT

E share_export_2012!=100

Error
TOTAL SHARE MUST BE 100%.

E. SAMPLE COMMODITY
BUYING

E114. Who did you buy %c109% from in the last 12 months?

MULTI-SELECT e114

- 01 ☐ Traders at local commodity exchange center
- 02 ☐ Traders at commodity exchange center in another city (specify)
- 03 ☐ Local urban traders, outside commodity exchange center
- 04 ☐ Urban traders in another city, outside commodity exchange center (specify)
- 05 ☐ Traders located in rural areas
- 06 ☐ Farmers (directly)
- 07 ☐ Farmers (indirecty through own agent)
- 08 ☐ Urban traders (indirectly through own agent)
- 09 ☐ Own production
- 99 ☐ Other (specify)

E114a. Please specify the city (commodity exchange center) ...

E e114.Contains(2)

TEXT e114a

E114a1. Please specify the city (commodity exchange center) ...

I Type "9998" if there is no more city...
E e114.Contains(2)

TEXT e114a1

E114a2. Please specify the city (commodity exchange center) ...

I Type "9998" if there is no more city...
E e114.Contains(2)

TEXT e114a2

E114b. Please specify the city (urban traders) ...

E e114.Contains(4)

TEXT e114b

E114b1. Please specify the city (urban traders) ...

I Type "9997" if there is no more city ...
E e114.Contains(4)

TEXT e114b1

E114b2. Please specify the city (urban traders) ...

I Type "9997" if there is no more city ...
E e114.Contains(4)

TEXT e114b2

E114c. Please specify other...

E e114.Contains(99)

TEXT e114c

E114c1. Please specify other...

I Type "9998" if there is no more city...
E e114.Contains(99)

TEXT e114c1

E114c2. Please specify other...

I Type "9998" if there is no more city...
E e114.Contains(99)

TEXT e114c2

E115a. What share of total purchases of %c109% (by volume) was made from Traders at local commodity exchange center during the last 12 months?
%...

E e114.Contains(1)
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e115a

E115b. What share of total purchases of %c109% (by volume) was made from Traders at commodity exchange center in another city (specify) during the last 12 months?
%...

E e114.Contains(2)
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e115b

E115c. What share of total purchases of %c109% (by volume) was made from Local urban traders, outside commodity exchange center during the last 12 months?
%...

E e114.Contains(3)
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e115c

E115d. What share of total purchases of %c109% (by volume) was made from Urban traders in another city, outside commodity

NUMERIC: DECIMAL e115d

exchange center during the last 12 months?
%...

E e114.Contains(4)
V1 self<=100
M1 Percentage should not be more than 100.

E115e. What share of total purchases of %c109% (by volume) was made from Rural traders during the last 12 months?
%...

NUMERIC: DECIMAL e115e

E e114.Contains(5)
V1 self<=100
M1 Percentage should not be more than 100.

E115f. What share of total purchases of %c109% (by volume) was made from Farmers (directly) during the last 12 months?
%...

NUMERIC: DECIMAL e115f

E e114.Contains(6)
V1 self<=100
M1 Percentage should not be more than 100.

E115g. What share of total purchases of %c109% (by volume) was made from Farmers (indirecty through own agent) during the last 12 months?
%...

NUMERIC: DECIMAL e115g

E e114.Contains(7)
V1 self<=100
M1 Percentage should not be more than 100.

E115h. What share of total purchases of %c109% (by volume) was made from Urban traders (indirectly through own agent) during the last 12 months?
%...

NUMERIC: INTEGER e115h

E e114.Contains(8)
V1 self<=100
M1 Percentage should not be more than 100.

E115i. What share of total purchases of %c109% (by volume) was made from own production during the last 12 months?
%...

NUMERIC: DECIMAL e115i

E e114.Contains(9)
V1 self<=100
M1 Percentage should not be more than 100.

E115j. What share of total purchases of %c109% (by volume) was made from %e114c% during the last 12 months?
%...

NUMERIC: DECIMAL e115j

E e114.Contains(99)
V1 self<=100
M1 Percentage should not be more than 100.

VARIABLE

```
(e115a.HasValue? e115a:0)+ (e115b.HasValue? e115b:0)+ (e
115c.HasValue? e115c:0)+ (e115d.HasValue? e115d:0)+ (e11
5e.HasValue? e115e:0)+ (e115f.HasValue? e115f:0)+ (e115g
.HasValue? e115g:0)+ (e115h.HasV
```

And 68 other symbols [7]

DOUBLE share buy 2017

STATIC TEXT

E share_buy_2017!=100

ERROR
TOTAL SHARE MUST BE 100%.

E. SAMPLE COMMODITY / BUYING

SOURCE 2012

E ((c101a<=2012 && c102a==1) || (c101b<=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c101d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c101f<=2012 && c102f==1) || (c101g<=2012 && c102g==1) And 30 other symbols [16]

E117. Who did you buy %c109% from in 2012?

MULTI-SELECT e117

- 01 ☐ Traders at local commodity exchange center
- 02 ☐ Traders at commodity exchange center in another city (specify)
- 03 ☐ Local urban traders, outside commodity exchange center
- 04 ☐ Urban traders in another city, outside commodity exchange center (specify)
- 05 ☐ Traders located in rural areas
- 06 ☐ Farmers (directly)
- 07 ☐ Farmers (indirecty through own agent)
- 08 ☐ Urban traders (indirectly through own agent)
- 09 ☐ Own production
- 10 ☐ Not Applicable (if they don't trade major crop of 2017 in 2012)
- 99 ☐ Other (specify)

E117a. Please specify the city (commodity exchange center) ...

E e117.Contains(2)

TEXT e117a

E117a1. Please specify the city (commodity exchange center) ...

I Type "9998" or "N/A" if there is no other city.

E e117.Contains(2)

TEXT e117a1

E117a2. Please specify the city (commodity exchange center) ...

I Type "9998" or "N/A" if there is no other city.

E e117.Contains(2)

TEXT e117a2

E117b. Please specify the city (urban traders) ...

E e117.Contains(4)

TEXT e117b

E117b1. Please specify the city (urban traders) ...

I Type "9997" or "N/A" if there is no more city...

E e117.Contains(4)

TEXT e117b1

E117b2. Please specify the city (urban traders) ...

I Type "9997" or "N/A" if there is no more city...

E e117.Contains(4)

TEXT e117b2

E117c. Please specify other...

TEXT e117c

E e117.Contains(99)

E117c1. Please specify other...

TEXT e117c1

I Type "9998" or "N/A" if there is no more city...

E e117.Contains(99)

E117c2. Please specify other...

TEXT e117c2

I Type "9998" or "N/A" if there is no more city...

E e117.Contains(99)

E118a. What share of total purchases of %c109% (by volume) was made from Traders at local commodity exchange center during 2012? %...

NUMERIC: DECIMAL e118a

E e117.Contains(1)

V1 self<=100

M1 Percentage should not be more than 100.

E118b. What share of total purchases of %c109% (by volume) was made from Traders at commodity exchange center in another city (specify) during 2012? %...

NUMERIC: DECIMAL e118b

E e117.Contains(2)

V1 self<=100

M1 Percentage should not be more than 100.

E118c. What share of total purchases of %c109% (by volume) was made from Local urban traders, outside commodity exchange center during 2012? %...

NUMERIC: DECIMAL e118c

E e117.Contains(3)

V1 self<=100

M1 Percentage should not be more than 100.

E118d. What share of total purchases of %c109% (by volume) was made from Urban traders in another city, outside commodity exchange center during 2012? %...

NUMERIC: DECIMAL e118d

E e117.Contains(4)

V1 self<=100

M1 Percentage should not be more than 100.

E118e. What share of total purchases of %c109% (by volume) was made from Rural traders during 2012? %...

NUMERIC: DECIMAL e118e

E e117.Contains(5)

V1 self<=100

M1 Percentage should not be more than 100.

E118f. What share of total purchases of %c109% (by volume) was made from Farmers (directly) during 2012? %...

NUMERIC: DECIMAL e118f

E e117.Contains(6)

V1 self<=100

M1 Percentage should not be more than 100.

E118g. What share of total purchases of %c109% (by volume) was made from Farmers (indirecty through own agent) during 2012?
%...

NUMERIC: DECIMAL e118g

E `e117.Contains(7)`
V1 `self<=100`
M1 Percentage should not be more than 100.

E118h. What share of total purchases of %c109% (by volume) was made from Urban traders (indirectly through own agent) during 2012?
%...

NUMERIC: DECIMAL e118h

E `e117.Contains(8)`
V1 `self<=100`
M1 Percentage should not be more than 100.

E118i. What share of total purchases of %c109% (by volume) was made from own production during 2012?
%...

NUMERIC: DECIMAL e118i

E `e117.Contains(9)`
V1 `self<=100`
M1 Percentage should not be more than 100.

E118j. What share of total purchases of %c109% (by volume) was made from %e117c% during 2012?
%...

NUMERIC: DECIMAL e118j

E `e117.Contains(99)`
V1 `self<=100`
M1 Percentage should not be more than 100.

VARIABLE

```
(e118a.HasValue? e118a:0)+ (e118b.HasValue? e118b:0)+ (e
118c.HasValue? e118c:0)+ (e118d.HasValue? e118d:0)+ (e11
8e.HasValue? e118e:0)+ (e118f.HasValue? e118f:0)+ (e118g
.HasValue? e118g:0)+ (e118h.HasV
```

And 68 other symbols [8]

DOUBLE share buy 2012

STATIC TEXT

E `share_buy_2012!=100`

ERROF
TOTAL SHARE MUST BE 100%.

E. SAMPLE COMMODITY / BUYING

Roster: SELLER IN LAST 12 MONTHS :

generated by multi-select question e114 seller_2017

E119. When you sourced %c109% from %seller_2017% how were they usually transported to your premises?

MULTI-SELECT e119

- 01 ☐ 12 wheel truck
- 02 ☐ 6 wheel ruck
- 03 ☐ 4-wheel truck
- 04 ☐ Trawlerjee/tractor (for transporting goods)
- 05 ☐ Tuk Tuk
- 06 ☐ Motorcycle
- 07 ☐ Oxcart
- 08 ☐ Boat
- 09 ☐ Public bus

E `@rowcode!=9`
V1 `!(self.Contains(10) && self.Length>1)`
M1 If you chose "not applicable", other options cannot be selected

99 ☐ Other (specify)
10 ☐ Not Applicable

E119a. Please specify other ...

E `e119.Contains(99)`

TEXT e119a

VARIABLE

`(e119.Contains(1)? " ၁၂ ဘီးကား၊":"")+ (e119.Contains(2)? " ၆ ဘီးကား၊":"")+ (e119.Contains(3)? " ၄ ဘီးကား၊":"")+ (e119.Contains(4)? " ထော့လာဂဒီ-ထပ်နှစက့၊":"")+ (e119.Contains(5)? " သုံးဘီး(တုတ့တုတ့)၊,":`

And 211 other symbols [9]

STRING vehicle_e119

E120. What was the arrangement under which (%vehicle_e119%) was used to transport %c109% from %seller_2017%to your premises?

E `@rowcode!=9 && !e119.Contains(10)`

MULTI-SELECT e120

01 ☐ Provided by seller
02 ☐ Respondent's vehicle
03 ☐ Whole vehicle rented in and operated by self or own staff
04 ☐ Whole vehicle and driver rented from 3rd party
05 ☐ Purchased space on a vehicle running a set route
06 ☐ Rented vehicle in cooperation with other traders
99 ☐ Other (specify)

E120a. Please specify other ...

E `e120.Contains(99)`

TEXT e120a

E121. When you sourced %c109% from %seller_2017% who paid the transport costs?

E `@rowcode!=9 && !e119.Contains(10)`

SINGLE-SELECT e121

01 ○ Self
02 ○ Seller
03 ○ Self and seller shared

E122. How much were the transport costs paid by this business?

E `e121==1 || e121==3`

NUMERIC: DECIMAL e122

E122a. MMK or Lakh Kyat ?

E `e121==1 || e121==3`
V1 `(e122.InRange(1,99999)&&self==1)||(e122.InRange(0.1,200)&&self==2)`
M1 ERROR! MMK or Lakh ? The selected option is not consistent...

SINGLE-SELECT e122a

01 ○ MMK
02 ○ Lakh Kyat

E122b. Unit ...

E `e121==1 || e121==3`

SINGLE-SELECT e122b

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
05 ○ Total
99 ○ Other

E122c. Please specify other ...

E `e122b==99`

TEXT e122c

E1222. When you sourced %c109% from %seller_2017% who paid the bagging costs?

E `@rowcode!=9`

SINGLE-SELECT e1222

01 ○ Self
02 ○ Seller
03 ○ Self and seller shared

E1223. How much were the bagging costs paid

NUMERIC: DECIMAL e1223

by this business?

E e1222==1 || e1222==3

E1223a. MMK or Lakh Kyat ?

E e1222==1 || e1222==3

V1 (e1223.InRange(1,99999)&&self==1)||(e1223.InRange(0.1,200)&&self==2)

M1 ERROR! MMK or Lakh ? The seleced option is not consistent...

SINGLE-SELECT e1223a

01 ○ MMK
02 ○ Lakh Kyat

E1223b. Unit ...

E e1222==1 || e1222==3

SINGLE-SELECT e1223b

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
05 ○ Total
99 ○ Other

E1223c. Please specify other ...

E e1223b==99

TEXT e1223c

E123. When you sourced %c109% from %seller_2017% who paid the loading costs?

E @rowcode!=9

SINGLE-SELECT e123

01 ○ Self
02 ○ Seller
03 ○ Self and seller shared
04 ○ No loading cost

E124. How much were the loading costs paid by this business?

E e123==1 || e123==3

NUMERIC: DECIMAL e124

E124a. MMK or Lakh Kyat ?

E e123==1 || e123==3

V1 (e124.InRange(1,99999)&&self==1)||(e124.InRange(0.1,200)&&self==2)

M1 ERROR! MMK or Lakh ? The selected option is not consistent...

SINGLE-SELECT e124a

01 ○ MMK
02 ○ Lakh Kyat

E124b. Unit ...

E e123==1 || e123==3

SINGLE-SELECT e124b

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
05 ○ Total
99 ○ Other

E124c. Please specify other ...

E e124b==99

TEXT e124c

E125. When you sourced %c109% from %seller_2017% who paid the unloading costs?

E @rowcode!=9

SINGLE-SELECT e125

01 ○ Self
02 ○ Seller
03 ○ Self and seller shared
04 ○ No unloading cost

E126. How much were the unloading costs paid by this business?

E e125==1 || e125==3

NUMERIC: DECIMAL e126

E126a. MMK or Lakh Kyat ?

E e125==1 || e125==3

SINGLE-SELECT e126a

01 ○ MMK

V1 (e126.InRange(1,99999)&&self==1)||(e126.InRange(0.1,200)&&self==2)
M1 ERROR! MMK or Lakh ? The selected option is not consistent...

02 ○ Lakh Kyat

E126b. Unit ...

E e125==1 || e125==3

SINGLE-SELECT e126b

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
05 ○ Total
99 ○ Other

E126c. Please specify other ...

E e126b==99

TEXT e126c

.....

E127. Did you provide any credit (in cash or kind) to %seller_2017% during the past 12 months?

E @rowcode!=9

SINGLE-SELECT e127

01 ○ Yes
02 ○ No

E128. What share of %seller_2017% who you sourced %c109% from did you provide credit to during the past 12 months?
%...

E e127==1
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e128

E129. What was the average value of individual loans provided to %seller_2017% during the past 12 months?
Lakh Kyat...

E e127==1

NUMERIC: DECIMAL e129

E130. What was the average duration of loans provided to %seller_2017% during the past 12 months?

E e127==1
V1 self<=52
M1 Please enter a valid number ...

NUMERIC: INTEGER e130

E130a. Week or Month?

E IsAnswered(e130)

SINGLE-SELECT e130a

01 ○ Week
02 ○ Month

E131. Was there any interest payable on loans provided to %seller_2017% during the past 12 months?

E e127==1

SINGLE-SELECT e131

01 ○ Yes
02 ○ No

E132. Did loans provided to %seller_2017% committ them to sell part or all of their product to you?

E e127==1

SINGLE-SELECT e132

01 ○ Yes
02 ○ No

E133. Did you ever delay payment to %seller_2017% when you sourced %c109% from them?

E @rowcode!=9

SINGLE-SELECT e133

01 ○ Yes
02 ○ No

E134. On what share of transactions with %seller_2017% did you delay payment during the past 12 months?
%...

NUMERIC: DECIMAL e134

E e133==1
V1 self<=100
M1 Percentage should not be more than 100.

E135. By how long were payments to %seller_2017% delayed on average?

NUMERIC: INTEGER e135

E e133==1
V1 self<=52
M1 Please enter a valid number ...

E135a. Unit ...

SINGLE-SELECT e135a

E e133==1

01 ○ Day
02 ○ Week
03 ○ Month

E. SAMPLE COMMODITY
CATEGORIZING

E136. Do you do any of the following with %c109%?

MULTI-SELECT e136

V1 !(self.Contains(5) && self.Length>1)
M1 If you choose "Not Applicable", other options cannot be selected.

01 ☐ Sorting and separating by colour
02 ☐ Sorting and separating by quality
03 ☐ Cleaning
04 ☐ Polishing
05 ☐ None of the above

E. SAMPLE COMMODITY / CATEGORIZING
Roster: NEW ROSTER
generated by multi-select question e136

categorize

E !e136.Contains(5)

E137. How is %categorize% done?

SINGLE-SELECT e137

01 ○ Manually
02 ○ By machine
03 ○ Both manually and by machine

E138. What share of the %c109% that you trade undergoes %e137%?
%...

NUMERIC: DECIMAL e138

E e137==1 || e137==2
V1 self==100
M1 Percentage should equal 100.

E138a. What share of the %c109% that you trade undergoes manually?
%...

NUMERIC: DECIMAL e138a

E e137==3
V1 self<=100
M1 Percentage should not be more than 100.

E138b. What share of the %c109% that you trade undergoes by machine?
%...

NUMERIC: DECIMAL e138b

E e137==3

V1 self<=100
M1 Percentage should not be more than 100.

VARIABLE
(e138a.HasValue? e138a:0)+ (e138b.HasValue? e138b:0)

DOUBLE share_e137

STATIC TEXT

E share_e137!=100

ERROR.
TOTAL SHARE MUST BE 100%.

E139. What is the difference in average sales value between %c109% that has undergone manually and %c109% that has undergone by machine?

NUMERIC: DECIMAL e139

E139a. MMK or Lakh Kyat ?

E e139!=0
V1 (e139.InRange(1,99999)&&self==1)||(e139.InRange(0.1,200)&&self==2)
M1 ERROR! MMK or Lakh ? The selected option is not consistent...

SINGLE-SELECT e139a
01 ○ MMK
02 ○ Lakh Kyat

E139b. Unit ...

E e139!=0

SINGLE-SELECT e139b
01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
05 ○ Total
99 ○ Other

E139c. Please specify other ...

E e139b==99

TEXT e139c

E140. When did you begin %categorize%?

V1 $Year
M1 Please enter a valid year...

NUMERIC: INTEGER e140

E141. What share of the %c109% that you traded during the last 12 months did you use for oil milling?

E c100.Contains(2) && c102b==1
V1 self<=100 || self==9997 || self==9998
M1 Please enter a valid number ...

NUMERIC: DECIMAL e141

E142. What share of the %c109% that you traded during the last 12 months did you use for dhall manufacturing?
%...

I Pls enter '9998' or '9997' if the question is not relevant for the respond ent
E c100.Contains(4) && c102d==1
V1 self<=100 || self==9998 || self==9997
M1 Please enter a valid number ...

NUMERIC: DECIMAL e142

E143. What did you do with the dhall you produced?

E c100.Contains(4)

MULTI-SELECT e143
01 ☐ Sold retailers/consumers locally
02 ☐ Sold retailers/consumers in other locations
03 ☐ Sold to wholesalers locally
04 ☐ Sold to wholesalers in other locations

05 ☐ Exported
06 ☐ Sold to supermarket
07 ☐ Other (specify)

E143a. Please specify other ...

TEXT e143a

E e143.Contains(7)

E144. What share of the %c109% that you traded during the last 12 months did you use for noodle manufacturing?
%...

NUMERIC: DECIMAL e144

E c100.Contains(5) && c102e==1
V1 self<=100
M1 Please enter a valid number ...

E145. What did you do with the noodle you produced?

MULTI-SELECT e145

E c100.Contains(5)

01 ☐ Sold retailers/consumers locally
02 ☐ Sold retailers/consumers in other locations
03 ☐ Sold to wholesalers locally
04 ☐ Sold to wholesalers in other locations
05 ☐ Exported
06 ☐ Sold to supermarket
07 ☐ Other (specify)

E145a. Please specify other ...

TEXT e145a

E e145.Contains(7)

E146. What share of the %c109% that you traded during the last 12 months did you use for pulse flour milling?
%...

NUMERIC: DECIMAL e146

E c100.Contains(6) && c102f==1
V1 self<=100
M1 Please enter a valid number ...

E147. What did you do with the pulse flour you produced?

MULTI-SELECT e147

E c100.Contains(6)

01 ☐ Sold retailers/consumers locally
02 ☐ Sold retailers/consumers in other locations
03 ☐ Sold to wholesalers locally
04 ☐ Sold to wholesalers in other locations
05 ☐ Exported
06 ☐ Sold to supermarket
07 ☐ Other (specify)

E147a. Please specify other ...

TEXT e147a

E e147.Contains(7)

E148. What share of the %c109% that you traded during the last 12 months did you use for tofu manufacturing?
%...

NUMERIC: DECIMAL e148

E c100.Contains(7) && c102g==1
V1 self<=100
M1 Please enter a valid number ...

MULTI-SELECT e149

E149. What did you do with the tofu you produced?

E c100.Contains(7)

01 ☐ Sold retailers/consumers locally
02 ☐ Sold retailers/consumers in other locations
03 ☐ Sold to wholesalers locally
04 ☐ Sold to wholesalers in other locations
05 ☐ Exported
06 ☐ Sold to supermarket
07 ☐ Other (specify)

E149a. Please specify other ...

E e149.Contains(7)

TEXT e149a

VARIABLE

(e141.HasValue? e141:0)+ (e142.HasValue? e142:0)+ (e144.HasValue? e144:0)+ (e146.HasValue? e146:0)+ (e148.HasValue? e148:0)

DOUBLE share_category

STATIC TEXT

E share_category!=100

ERROR
TOTAL SHARE MUST BE 100%.

E. SAMPLE COMMODITY

SELLING

E150. Who did you sell %c109% to during the last 12 months?

MULTI-SELECT e150

01 ☐ Traders at local commodity exchange center
02 ☐ Traders at commodity exchange center in another city (specify city)
03 ☐ Local urban traders, outside commodity exchange center
04 ☐ Urban traders in another city, outside commodity exchange center (specify city)
05 ☐ Local urban retailers
06 ☐ Urban retailers in another city (specify)
07 ☐ Traders in rural areas
08 ☐ Consumers
09 ☐ Exporters
10 ☐ Buyers from China
11 ☐ Buyers from India
12 ☐ Oil mills
13 ☐ Dhall manufacturers
14 ☐ Noodle manufacturers
15 ☐ Pulse flour millers
99 ☐ Other (Specify)

E150a. Traders at commodity exchange center in another city (specify city)

E e150.Contains(2)

TEXT e150a

E150a1. Traders at commodity exchange center in another city (specify city)

I Type "9998" if there is no other city.

E e150.Contains(2)

TEXT e150a1

E150a2. Traders at commodity exchange

TEXT e150a2

center in another city (specify city)

I Type "9998" if there is no other city.
E e150.Contains(2)

E150b. Urban traders in another city, outside commodity exchange center (specify city)

TEXT e150b

E e150.Contains(4)

E150b1. Urban traders in another city, outside commodity exchange center (specify city)

TEXT e150b1

I Type "9998" if there is no other city.
E e150.Contains(4)

E150b2. Urban traders in another city, outside commodity exchange center (specify city)

TEXT e150b2

I Type "9998" if there is no other city.
E e150.Contains(4)

E150c. Urban retailers in another city (specify)

TEXT e150c

E e150.Contains(6)

E150c1. Urban retailers in another city (specify)

TEXT e150c1

I Type "9998" if there is no other city.
E e150.Contains(6)

E150c2. Urban retailers in another city (specify)

TEXT e150c2

I Type "9998" if there is no other city.
E e150.Contains(6)

E150d. Please specify other...

TEXT e150d

E e150.Contains(99)

E150d1. Please specify other...

TEXT e150d1

I Type "9998" if there is no more city...
E e150.Contains(99)

E150d2. Please specify other...

TEXT e150d2

I Type "9998" if there is no more city...
E e150.Contains(99)

E. SAMPLE COMMODITY / SELLING

Roster: NEW ROSTER

generated by multi-select question e150 selling_2017

E151. What share of the %c109% you sold during the last 12 months was sold to %selling_2017%?
%...

NUMERIC: DECIMAL e151

V1 self<=100
M1 Percentage should not be more than 100.

E152. How did you sell %c109% to %selling_2017% during the last 12 months?

MULTI-SELECT e152

01 ☐ Loose
02 ☐ In unbranded sack/bag
03 ☐ In sack/bag carrying own brand

04 ☐ Other branded packaging (specify)
05 ☐ Other unbranded packaging (specify)

E152s1. Please specify other branded packaging ...

E e152.Contains(4)

TEXT e152s1

E152s2. Please specify other unbranded packaging ...

E e152.Contains(5)

TEXT e152s2

E153a. What share of %c109% sold to %selling_2017% during the last 12 months was Loose?

E e152.Contains(1)
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e153a

E153b. What share of %c109% sold to %selling_2017% during the last 12 months was In unbranded sack/bag?

E e152.Contains(2)
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e153b

E153c. What share of %c109% sold to %selling_2017% during the last 12 months was In sack/bag carrying own brand?

E e152.Contains(3)
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e153c

E153d. What share of %c109% sold to %selling_2017% during the last 12 months was sold in Other branded packaging - %e152s1%?

E e152.Contains(4)
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e153d

E153e. What share of %c109% sold to %selling_2017% during the last 12 months was Other unbranded packaging - %e152s2%?

E e152.Contains(5)
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e153e

E160a. In what year did the business begin to sell %c109% in sacks/bags carrying own brand?

E e152.Contains(3)
V1 $Year
M1 Please enter a valid year...

NUMERIC: INTEGER e160a

E160b. In what year did the business begin to sell %c109% in other branded packaging?

E e152.Contains(4)
V1 $Year
M1 Please enter a valid year...

NUMERIC: INTEGER e160b

VARIABLE

```
(e153a.HasValue? e153a:0)+ (e153b.HasValue? e153b:0)+ (e153c.HasValue? e153c:0)+ (e153d.HasValue? e153d:0)+ (e153e.HasValue? e153e:0)
```

DOUBLE share_package_e152

STATIC TEXT

E share_package_e152!=100

ERROR.
TOTAL SHARE MUST BE 100%.

E161. When you sold %c109% to %selling_2017% how was it usually transported to %selling_2017%?

V1 !(self.Contains(98) && self.Length>1)
M1 If you choose "Not Applicable", other options cannot be selected

MULTI-SELECT e161

- 01 ☐ 12 wheel truck
- 02 ☐ 6 wheel ruck
- 03 ☐ 4-wheel truck
- 04 ☐ Trawlerjee/tractor (for transporting goods)
- 05 ☐ Tuk Tuk
- 06 ☐ Motorcycle
- 07 ☐ Oxcart
- 08 ☐ Boat
- 09 ☐ Public bus
- 99 ☐ Other (specify)
- 98 ☐ Not Applicable

E161a. Please specify other vehicle ...

E e161.Contains(99)

TEXT e161a

VARIABLE

```
(e161.Contains(1)? " 12 Wheel Truck,":"")+ (e161.Contains(2)? " 6 Wheel Truck,":"")+ (e161.Contains(3)? " 4 Wheel Truck,":"")+ (e161.Contains(4)? " Trawlerjee/tractor,":"")+ (e161.Contains(5)? " Tuk T
```

And 218 other symbols [10]

STRING vehicle_e161

E162. What was the arrangement under which (%vehicle_e161%) was used to transport %c109% to %selling_2017%from your premises?

E !e161.Contains(98)

MULTI-SELECT e162

- 01 ☐ Provided by buyer
- 02 ☐ Respondent's vehicle
- 03 ☐ Whole vehicle rented in and operated by self or own staff
- 04 ☐ Whole vehicle and driver rented from 3rd party
- 05 ☐ Purchased space on a vehicle running a set route
- 06 ☐ Rented vehicle in cooperation with other traders
- 99 ☐ Other (specify)

E162a. Please specify other ...

E e162.Contains(99)

TEXT e162a

E163. When you sold %c109% to %selling_2017% who paid the transport costs?

E !e161.Contains(98)

SINGLE-SELECT e163

- 01 ○ Self
- 02 ○ Buyer
- 03 ○ Self and buyer shared

E164. How much were the transport costs?

E e163==1 || e163==3

NUMERIC: DECIMAL e164

E164a. MMK or Lakh Kyat ?

E e163==1 || e163==3
V1 (e164.InRange(1,99999)&&self==1)||(e164.InRange(0.1,200)&&self==2)
M1 ERROR! MMK or Lakh Kyat? The selected option is not consistent...

SINGLE-SELECT e164a

- 01 ○ MMK
- 02 ○ Lakh Kyat

E164b. Unit ...

E e163==1 || e163==3

SINGLE-SELECT e164b

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E164c. Please specify other ...

E e164b==99

TEXT e164c

E1644. When you sold %c109% to %selling_2017% who paid the bagging costs?

SINGLE-SELECT e1644

01 ○ Self
02 ○ Buyer
03 ○ Self and buyer shared
04 ○ No bagging cost

E1645. How much were the bagging costs?

E e1644==1 || e1644==3

NUMERIC: DECIMAL e1645

E1645a. MMK or Lakh Kyat ?

E e1644==1 || e1644==3

V1 (e1645.InRange(1,99999)&&self==1)||(e1645.InRange(0.1,200)&&self==2)

M1 ERROR! MMK or Lakh Kyat? The selected option is not consistent...

SINGLE-SELECT e1645a

01 ○ MMK
02 ○ Lakh Kyat

E1645b. Unit ...

E e1644==1 || e1644==3

SINGLE-SELECT e1645b

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E1645c. Please specify other ...

E e1645b==99

TEXT e1645c

E1165. When you sold %c109% to %selling_2017% who paid the loading costs?

SINGLE-SELECT e165

01 ○ Self
02 ○ Buyer
03 ○ Self and buyer shared
04 ○ No loading cost

E166. How much were the loading costs paid by this business?

E e165==1 || e165==3

NUMERIC: DECIMAL e166

E166a. MMK or Lakh Kyat ?

E e165==1 || e165==3

V1 (e166.InRange(1,99999)&&self==1)||(e166.InRange(0.1,200)&&self==2)

M1 ERROR! MMK or Lakh Kyat? The selected option is not consistent...

SINGLE-SELECT e166a

01 ○ MMK
02 ○ Lakh Kyat

E166b. Unit ...

E e165==1 || e165==3

SINGLE-SELECT e166b

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E166c. Please specify other ...

TEXT e166c

E e166b==99

E167. When you sold %c109% to %selling_2017% who paid the unloading costs?

SINGLE-SELECT e167

01 ○ Self
02 ○ Buyer
03 ○ Self and buyer shared
04 ○ No unloading cost

E168. How much were the unloading costs paid by this business?

E e167==1 || e167==3

NUMERIC: DECIMAL e168

E168a. MMK or Lakh Kyat ?

E e167==1 || e167==3
V1 (e168.InRange(1,99999)&&self==1)||(e168.InRange(0.1,200)&&self==2)
M1 ERROR! MMK or Lakh Kyat? The selected option is not consistent...

SINGLE-SELECT e168a

01 ○ MMK
02 ○ Lakh Kyat

E168b. Unit ...

E e167==1 || e167==3

SINGLE-SELECT e168b

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E168c. Please specify other ...

E e168b==99

TEXT e168c

E175. Did %selling_2017% ever delay payment to you when selling to them?

SINGLE-SELECT e175

01 ○ Yes
02 ○ No

E176. On what share of transactions with %selling_2017% did they delay payment during the past 12 months?

E e175==1
V1 self<=100
M1 Please enter a valid percentage ...

NUMERIC: INTEGER e176

E177. By how long were payments from %selling_2017% delayed on average? Days/Weeks/Months

E e175==1

NUMERIC: INTEGER e177

E177a. Unit ...

E e175==1

SINGLE-SELECT e177a

01 ○ Day
02 ○ Week
03 ○ Month

E. SAMPLE COMMODITY / SELLING

SELLING 2012

E ((c101a<=2012 && c102a==1) || (c101b<=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c101d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c101f<=2012 && c102f==1) || (c101g<=2012 && c102g==1) And 30 other symbols [17]

E154. Who did you sell %c109% to during 2012?

MULTI-SELECT e154

01 ☐ Traders at local commodity exchange center

02 ☐ Traders at commodity exchange center in another city (specify city)
03 ☐ Local urban traders, outside commodity exchange center
04 ☐ Urban traders in another city, outside commodity exchange center (specify city)
05 ☐ Local urban retailers
06 ☐ Urban retailers in another city (specify)
07 ☐ Traders in rural areas
08 ☐ Consumers
09 ☐ Exporters
10 ☐ Buyers from China
11 ☐ Buyers from India
12 ☐ Oil mills
13 ☐ Dhall manufacturers
14 ☐ Noodle manufacturers
15 ☐ Pulse flour millers
16 ☐ NA(if they don't sell major crop of 2017 in 2012)

And 1 other symbols [3]

E154a. Traders at commodity exchange center in another city (specify city)

E e154.Contains(2)

TEXT e154a

E154a1. Traders at commodity exchange center in another city (specify city)

I Type "9998" or "N/A" if there is no other city.
E e154.Contains(2)

TEXT e154a1

E154a2. Traders at commodity exchange center in another city (specify city)

I Type "9998" or "N/A" if there is no other city.
E e154.Contains(2)

TEXT e154a2

E154b. Urban traders in another city, outside commodity exchange center (specify city)

E e154.Contains(4)

TEXT e154b

E154b1. Urban traders in another city, outside commodity exchange center (specify city)

I Type "9998" or "N/A" if there is no other city.
E e154.Contains(4)

TEXT e154b1

E154b2. Urban traders in another city, outside commodity exchange center (specify city)

I Type "9998" or "N/A" if there is no other city.
E e154.Contains(4)

TEXT e154b2

E154c. Urban retailers in another city (specify)

E e154.Contains(6)

TEXT e154c

E154c1. Urban retailers in another city (specify)

I Type "9998" or "N/A" if there is no other city.
E e154.Contains(6)

TEXT e154c1

E154c2. Urban retailers in another city (specify)

I Type "9998" or "N/A" if there is no other city.
E e154.Contains(6)

TEXT e154c2

E154d. Please specify other...

E e154.Contains(99)

TEXT e154d

E. SAMPLE COMMODITY / SELLING / SELLING 2012

Roster: NEW ROSTER

generated by multi-select question e154 selling_2011

E155. What share of the %c109% you sold during 2012 was sold to %selling_2011%?

V1 self<=100 || self==9998
M1 Please enter a valid percentage...

NUMERIC: INTEGER e155

E156. How did you sell %c109% to %selling_2011% during 2012?

MULTI-SELECT e156

- 01 ☐ Loose
- 02 ☐ In unbranded sack/bag
- 03 ☐ In sack/bag carrying own brand
- 04 ☐ Other branded packaging (specify)
- 05 ☐ Other unbranded packaging (specify)
- 06 ☐ Not Applicable

E156s1. Please specify other branded packaging ...

E e156.Contains(4)

TEXT e156s1

E156s2. Please specify other unbranded packaging ...

E e156.Contains(5)

TEXT e156s2

E157a. What share of %c109% sold to %selling_2011% during 2012 was Loose?

E e156.Contains(1)
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e157a

E157b. What share of %c109% sold to %selling_2011% during 2012 was In unbranded sack/bag?

E e156.Contains(2)
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e157b

E157c. What share of %c109% sold to %selling_2011% during 2012 was In sack/bag carrying own brand?

E e156.Contains(3)
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL e157c

E157d. What share of %c109% sold to %selling_2011% during 2012 was Other branded packaging - %e156s1%?

NUMERIC: DECIMAL e157d

E e156.Contains(4)
V1 self<=100
M1 Percentage should not be more than 100.

E157e. What share of %c109% sold to %selling_2011% during 2012 was Other unbranded packaging - %e156s2%?

NUMERIC: DECIMAL e157e

E e156.Contains(5)
V1 self<=100
M1 Percentage should not be more than 100.

VARIABLE

```
(e157a.HasValue? e157a:0)+ (e157b.HasValue? e157b:0)+ (e157c.HasValue? e157c:0)+ (e157d.HasValue? e157d:0)+ (e157e.HasValue? e157e:0)
```

DOUBLE share_package_selling

STATIC TEXT

E share_package_selling!=100

ERROR.
TOTAL SHARE MUST BE 100%.

D. BUSINESS ASSETS AND COSTS

D100. Which type of premises do you operate for pulses and oilseed trading?

MULTI-SELECT d100

- 01 ☐ Warehouse
- 02 ☐ Wholesale shop
- 03 ☐ Retail shop
- 04 ☐ Combined wholesale and retail shop
- 05 ☐ Combined warehouse and wholesale shop

D. BUSINESS ASSETS AND COSTS
Roster: PREMISES:
generated by multi-select question d100 premise

D101.How many %premise% do you use at present?

NUMERIC: INTEGER d101

VARIABLE

```
(int)@rowcode
```

DOUBLE p_code

D. BUSINESS ASSETS AND COSTS / PREMISES:
Roster: # OF PREMISE:
generated by numeric question d101 n_premise

D102. Where is %n_premise% of %premise% located?

SINGLE-SELECT d102

- 01 ○ Magway
- 02 ○ Mandalay
- 03 ○ Monywa
- 04 ○ Pakkoku
- 05 ○ Shwe Bo City
- 06 ○ Yangon City
- 07 ○ Magway Region (rural area)
- 08 ○ Mandalay Region (rural area)
- 09 ○ Sagaing Region (rural area)
- 10 ○ Other (specify Township & State/Region)

D102a. Please specify other...

E d102==10

TEXT d102a

D105. When was %n_premise% of %premise% acquired? Year.....

I Type 9997 if you don't know the year.
V1 $Year
M1 Please enter a valid year ...

NUMERIC: INTEGER d105

D104. What is the ownership status of %n_premise% of %premise%?

SINGLE-SELECT d104
01 ○ Owned (purchased)
02 ○ Owned (inherited)
03 ○ Rented
99 ○ Other

D104a. Please Specify other.....

E d104==99

TEXT d104a

D106. What was the purchase price of %n_premise% of %premise%?
Lakh Kyat...

E d104==1

NUMERIC: DECIMAL d106

D107. What is the annual rental cost of %n_premise% of %premise%?
Lakh Kyat...

E d104==3

NUMERIC: DECIMAL d107

D108a. What is the Length of %n_premise% of %premise% used by this business?
Feet...

E p_code==1 || p_code==5

NUMERIC: INTEGER d108a

D108b. What is the Width of %n_premise% of %premise% used by this business?
Feet...

E p_code==1 || p_code==5

NUMERIC: INTEGER d108b

D109. What is the maximum number of sacks that can be stored in the %n_premise% of %premise%? Sacks.....

E p_code==1 || p_code==5

NUMERIC: INTEGER d109

D110a. What was the Length of %n_premise% of %premise% used by this business in 2012?
Feet...

E (p_code==1 || p_code==5) && d105<2013 && d105!=9997

NUMERIC: INTEGER d110a

D110b. What was the Width of %n_premise% of %premise% used by this business in 2012?
Feet...

E (p_code==1 || p_code==5) && d105<2013 && d105!=9997

NUMERIC: INTEGER d110b

D111. What was the maximum number of sacks that could be stored in the %n_premise% of %premise% in 2012? Sacks.....

E (p_code==1 || p_code==5) && d105<2013 && d105!=9997

NUMERIC: INTEGER d111

D112. Within the last 12 months, was there ever a time when you had insufficient warehouse storage capacity?

E d100.ContainsAny(1,5)

SINGLE-SELECT d112

01 ○ Yes
02 ○ No

D113. Which of the following assests does the owner of this business own for use in the trading business at present?

MULTI-SELECT: YES/NO d113

01 ☐ / ☐ 12 wheel truck
02 ☐ / ☐ 6 wheel truck
03 ☐ / ☐ 4 wheel truck
04 ☐ / ☐ Trawlerjee/tractor (for transporting goods)
05 ☐ / ☐ Tuk Tuk
06 ☐ / ☐ Motorcycle
07 ☐ / ☐ Oxcart
08 ☐ / ☐ Electronic scale
09 ☐ / ☐ Manual scale
10 ☐ / ☐ Landline phone
11 ☐ / ☐ Mobile phone (Handset + Sim Card)
12 ☐ / ☐ Peanut Threshing machine
13 ☐ / ☐ Sesame Cleaning machine
14 ☐ / ☐ Color sorting machine
15 ☐ / ☐ Bagging machine
16 ☐ / ☐ Computer

And 4 other symbols [4]

D113a. Please specify the other asset 1...

E d113.Yes.Contains(18)

TEXT d113a

D113b. Please specify the other asset 2...

E d113.Yes.Contains(19)

TEXT d113b

D113c. Please specify the other asset 3...

E d113.Yes.Contains(20)

TEXT d113c

D. BUSINESS ASSETS AND COSTS

Roster: ASSETS:

generated by multi-select question d113

Asset

D114.How many of %Asset% are owned by this trading business at present?

NUMERIC: INTEGER d114

D. BUSINESS ASSETS AND COSTS / ASSETS:

Roster: # OF ASSETS:

generated by numeric question d114

n_assets

D115.When was %n_assets% of %Asset% purchased?

V1 $Year
M1 Please enter a valid year ...

NUMERIC: INTEGER d115

D116.How much did %n_assets% of %Asset% cost in %d115%?
Lakh Kyat...

NUMERIC: DECIMAL d116

D117. Did you borrow money to purchase %n_assets% of %Asset%?

SINGLE-SELECT d117

01 ○ Yes
02 ○ No

D117a. What type of loan did you take?

E d117==1

MULTI-SELECT d117a

01 ☐ Hire purchase agreement with bank, organized by vehicle or machine supplier
02 ☐ Hire purchase agreement made with vehicle or machine supplier
03 ☐ Loan from bank
04 ☐ Loan from informal source

D117b. Did you use remittances to pay for all or part of the cost of %n_assets% of %Asset%?

SINGLE-SELECT d117b

01 ○ Yes
02 ○ No

D120. What is the average monthly expenditure on fuel and repairs for all motor vehicles owned by the trading business in 2017? Amount....

E d113.Yes.ContainsAny(1,2,3,4,5,6,7)

NUMERIC: DECIMAL d120

D120a. MMK or Lakh Kyat ?

E d113.Yes.ContainsAny(1,2,3,4,5,6,7)

V1 (d120.InRange(1,99999)&&self==1)||(d120.InRange(0.1,200)&&self==2) || (d120.InRange(0,9998)&&self==3)

M1 ERROR! MMK or Lakh Kyat? The selected option is not consistent...

SINGLE-SELECT d120a

01 ○ MMK
02 ○ Lakh Kyat
03 ○ Not Applicable

D121. What is the average monthly expenditure on fuel for all generators/engine powered machines owned by the trading business 2017? Amount....

E d113.Yes.ContainsAny(12,13,14,15,16,17)

NUMERIC: DECIMAL d121

D121a. MMK or Lakh Kyat ?

E d113.Yes.ContainsAny(12,13,14,15,16,17)

V1 (d121.InRange(1000,99999)&&self==1)||(d121.InRange(0.1,200)&&self==2) || (d121.InRange(0,9998)&&self==3)

M1 ERROR! MMK or Lakh Kyat? The selected option is not consistent...

SINGLE-SELECT d121a

01 ○ MMK
02 ○ Lakh Kyat
03 ○ Not Applicable

D122. What is the average monthly expenditure on electricity for all premises operated by the trading business? Amount

NUMERIC: DECIMAL d122

D122a. MMK or Lakh Kyat ?

V1 (d122.InRange(1000,99999)&&self==1)||(d122.InRange(0.1,200)&&self==2) || (d122.InRange(0,9998)&&self==3)

M1 ERROR! MMK or Lakh Kyat? The selected option is not consistent...

SINGLE-SELECT d122a

01 ○ MMK
02 ○ Lakh Kyat
03 ○ Not Applicable

D123. How many people work full-time in this trading business?

SINGLE-SELECT d123

01 ○ Yes
02 ○ No

D124. How many MALE work fulltime in this trading business?

E d123==1

NUMERIC: INTEGER d124

D124a. Of these MALE how many are family members?

NUMERIC: INTEGER d124a

E d123==1 && d124>0
V1 self<=d124
M1 Please check again...

D125. How many FEMALE work full-time in this trading business?

E d123==1

NUMERIC: INTEGER d125

D125a. Of these FEMALE how many are family members?

E d123==1 && d125>0
V1 self<=d125
M1 Please check again...

NUMERIC: INTEGER d125a

D126. What the is average monthly cost of employing full-time staff of the trading business (including all salaries, wages, piece rate payments, food and bonuses)? Amount....

E d123==1

NUMERIC: DECIMAL d126

D126a. MMK or Lakh Kyat ?

E d123==1
V1 (d126.InRange(1000,99999)&&self==1)||(d126.InRange(0.1,200)&&self==2) || (d126.InRange(0,9998)&&self==3)
M1 ERROR! MMK or Lakh Kyat? The selected option is not consistent...

SINGLE-SELECT d126a
01 ○ MMK
02 ○ Lakh Kyat
03 ○ Not Applicable

D127. Did the trading business make use of any rented vehicles within the last 12 months?

SINGLE-SELECT d127
01 ○ Yes
02 ○ No

D128. What is the total average monthly cost of vehicle rentals and other associated costs (fuel, labor etc) to the trading business? Amount....

E d127==1

NUMERIC: DECIMAL d128

D128a. MMK or Lakh Kyat ?

E d127==1
V1 (d128.InRange(1000,99999)&&self==1)||(d128.InRange(0.1,200)&&self==2) || (d128.InRange(0,9998)&&self==3)
M1 ERROR! MMK or Lakh Kyat? The selected option is not consistent...

SINGLE-SELECT d128a
01 ○ MMK
02 ○ Lakh Kyat
03 ○ Not Applicable

D129. On average, how much working captial did you need to run your business for one week during the last 12 months?
Lakh kyat...

NUMERIC: DECIMAL d129

D130. On average, how much working captial did you need to run your business for one week during 2012?
Lakh kyat...

E (c101a<=2012 && c102a==1) || (c101b<=2012 && c102b==1) || (c101c<=2012 && c102c==1) || (c101d<=2012 && c102d==1) || (c101e<=2012 && c102e==1) || (c101f<=2012 && c102f==1) || (c101g<=2012 && c102g==1) And 28 other symbols [15]

NUMERIC: DECIMAL d130

D131. Have you ever borrowed money from a bank to fund your operating costs?

SINGLE-SELECT d131
01 ○ Yes
02 ○ No

F. INTERVIEWEE DETAILS, CONTINUED

B106. Does the owner's household own any agricultural land?

SINGLE-SELECT b106

01 ○ Yes
02 ○ No

B107. What area of agricultural land is owned by the owner's household?
Acres...

E b106==1

NUMERIC: DECIMAL b107

B108. Does the owner's household engage in any of the followig activities?

V1 !(self.Contains(15)&&self.Length>1)
M1 If you choose "None of these", other options cannot be selected.

MULTI-SELECT b108

01 ☐ Agricultural inputs supply business
02 ☐ Rice mill
03 ☐ Dry goods shop
04 ☐ Truck rental business
05 ☐ Agricultural machinery rental business
06 ☐ Agricultural machinery dealership representative
07 ☐ Other non-farm business 1 (specify)
08 ☐ Other non-farm business 2 (specify)
09 ☐ Other non-farm business 3 (specify)
10 ☐ Livestock/poultry raising business
11 ☐ Professional or government job
12 ☐ Other salaried work 1 (specify)
13 ☐ Other salaried work 2 (specify)
14 ☐ Other salaried work 3 (specify)
99 ☐ Other
15 ☐ None of these

B108a1. Please specify other non-farm business (1)...

E b108.Contains(7)

TEXT b108a1

B108a2. Please specify other non-farm business (2)...

E b108.Contains(8)

TEXT b108a2

B108a3. Please specify other non-farm business (3)...

E b108.Contains(9)

TEXT b108a3

B108b1. Please specify other salary work (1)...

E b108.Contains(12)

TEXT b108b1

B108b2. Please specify other salary work (2)...

E b108.Contains(13)

TEXT b108b2

B108b3. Please specify other salary work (3)...

E b108.Contains(14)

TEXT b108b3

B108c. Please specify other ... E b108.Contains(99)	TEXT	b108c
End of Interview	DATE: CURRENT TIME	end

APPENDIX A — ENABLING CONDITIONS

[1] c111: C111. Which of the following crops did this business trade in 2012?
Enablement Condition:

```
(c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1)
```

[2] e182: E182. For how many days per month did the business procure %c109% during high season in 2012?
Enablement Condition:

```
IsAnswered(e178) && ((c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1))
```

[3] e183: E183. What quantity of %c109% did the business procure per day on average during high season in 2012?
Enablement Condition:

```
IsAnswered(e178) && ((c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1))
```

[4] e188: E188. For how many days per month did the business procure %c109% during low season in 2012?
Enablement Condition:

```
IsAnswered(e184) && ((c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1))
```

[5] e189: E189. What quantity of %c109% did the business procure per day on average during low season in 2012?
Enablement Condition:

```
IsAnswered(e184) && ((c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1))
```

[6] e191: E191. For how many days per month did the business procure %c109% during the most recent INTERMEDIATE season?
Enablement Condition:

```
(e178_before==2 && e184_before==2) ||
(e178_before==1 && high_season<12 && e184_before==2 && e178a==2) ||
(e178_before==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) ||
(e184_before==1 && low_season<12 && e178_before==2 && e178a==2) ||
(e184_before==1 && (not_trade_e178b+low_season)<12 && e178_before==2 && e178a==1) ||
(e178_before==1 && e184_before==1 && (high_season+low_season)<12 && e178a==2)||
(e178_before==1 && e184_before==1 && (not_trade_e178b+high_season+low_season)<12 && e178a==1)
```

[7] e192: E192. What quantity of %c109% did the business procure per day on average during the most recent INTERMEDIATE season?
Enablement Condition:

```
(e178_before==2 && e184_before==2) ||
(e178_before==1 && high_season<12 && e184_before==2 && e178a==2) ||
(e178_before==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) ||
(e184_before==1 && low_season<12 && e178_before==2 && e178a==2) ||
(e184_before==1 && (not_trade_e178b+low_season)<12 && e178_before==2 && e178a==1) ||
(e178_before==1 && e184_before==1 && (high_season+low_season)<12 && e178a==2)||
(e178_before==1 && e184_before==1 && (not_trade_e178b+high_season+low_season)<12 && e178a==1)
```

[8] e193: E193. What was the average price paid per (viss/bag/basket) of %c109% during the most recent

INTERMEDIATE season?
Enablement Condition:

```
(e178_before==2 && e184_before==2) ||
(e178_before==1 && high_season<12 && e184_before==2 && e178a==2) ||
(e178_before==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) ||
(e184_before==1 && low_season<12 && e178_before==2 && e178a==2) ||
(e184_before==1 && (not_trade_e178b+low_season)<12 && e178_before==2 && e178a==1) ||
(e178_before==1 && e184_before==1 && (high_season+low_season)<12 && e178a==2)||
(e178_before==1 && e184_before==1 && (not_trade_e178b+high_season+low_season)<12 && e178a==1)
```

[9] e1933: E1933. What was the Maximum price (%e193a%) paid per %e193b% of %c109% during the most recent intermediate season?
Enablement Condition:

```
(e178_before==2 && e184_before==2) ||
(e178_before==1 && high_season<12 && e184_before==2 && e178a==2) ||
(e178_before==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) ||
(e184_before==1 && low_season<12 && e178_before==2 && e178a==2) ||
(e184_before==1 && (not_trade_e178b+low_season)<12 && e178_before==2 && e178a==1) ||
(e178_before==1 && e184_before==1 && (high_season+low_season)<12 && e178a==2)||
(e178_before==1 && e184_before==1 && (not_trade_e178b+high_season+low_season)<12 && e178a==1)
```

[10] e1934: E1934. What was the Minimum price (%e193a%) paid per %e193b% of %c109% during the most recent intermediate season?
Enablement Condition:

```
(e178_before==2 && e184_before==2) ||
(e178_before==1 && high_season<12 && e184_before==2 && e178a==2) ||
(e178_before==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) ||
(e184_before==1 && low_season<12 && e178_before==2 && e178a==2) ||
(e184_before==1 && (not_trade_e178b+low_season)<12 && e178_before==2 && e178a==1) ||
(e178_before==1 && e184_before==1 && (high_season+low_season)<12 && e178a==2)||
(e178_before==1 && e184_before==1 && (not_trade_e178b+high_season+low_season)<12 && e178a==1)
```

[11] e194: E194. For how many days per month did the business procure %c109% during INTERMEDIATE season in 2012?
Enablement Condition:

```
IsAnswered(e1934) && ((c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1))
```

[12] e195: E195. What quantity of %c109% did the business procure per day on average during INTERMEDIATE season in 2012?
Enablement Condition:

```
IsAnswered(e194) && ((c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1))
```

[13] e102: E102. How did you trade %c109% in 2012?
Enablement Condition:

```
((c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1))
```

[14] e112: E112. Which countries did you export to in 2012?
Enablement Condition:

```
e102.Contains(5) && ((c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1))
```

[15] d130: D130. On average, how much working captial did you need to run your business for one week during 2012?
 Lakh kyat...
Enablement Condition:

```
(c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
```

```
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1)
```

[16] : Source 2012

Enablement Condition:

```
((c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1))
```

[17] : SELLING 2012

Enablement Condition:

```
((c101a<=2012 && c102a==1) ||
(c101b<=2012 && c102b==1) ||
(c101c<=2012 && c102c==1) ||
(c101d<=2012 && c102d==1) ||
(c101e<=2012 && c102e==1) ||
(c101f<=2012 && c102f==1) ||
(c101g<=2012 && c102g==1) ||
(c101h<=2012 && c102h==1))
```

[18] : INTERMEDIATE SEASON(s)

Enablement Condition:

```
(e178_before==2 && e184_before==2) ||
(e178_before==1 && high_season<12 && e184_before==2 && e178a==2) ||
(e178_before==1 && (not_trade_e178b+high_season)<12 && e184_before==2 && e178a==1) ||
(e184_before==1 && low_season<12 && e178_before==2 && e178a==2) ||
(e184_before==1 && (not_trade_e178b+low_season)<12 && e178_before==2 && e178a==1) ||
(e178_before==1 && e184_before==1 && (high_season+low_season)<12 && e178a==2)||
(e178_before==1 && e184_before==1 && (not_trade_e178b+high_season+low_season)<12 && e178a==1)
```

APPENDIX B — OPTIONS

[1] a103: A103. District

Options: 1:Gangaw District, 2:Magwae District, 3:Minbu District, 4:Pakokku District, 5:Thayet District, 6:Kyaukse District, 7:Mandalay District, 8:Meiktilla District, 9:Myingyan District, 10:Nyaung-U District, 11:Pyin Oo Lwin District, 12:Yamethin District, 13:Hkamti District, 14:Kale(Kalemyo) District, 15:Kanbalu District, 16:Katha District, 17:Mawlaik District, 18:Monywa District, 19:Sagaing District, 20:Shwebo District, 21:Tamu District, 22:Yinmabin District,

[2] a104: A104. Township

Options: 1:Gangaw Township, 2:Saw Township, 3:Tilin Township, 4:Kyaukhtu Township, 5:Chauck Township, 6:Magway Township, 7:Myothit Township, 8:Natmauk Township, 9:Taungdwingyi Township, 10:Yenangyaung Township, 11:Minbu Township, 12:Ngape Township, 13:Pwintbyu Township, 14:Salin Township, 15:Sidoktaya Township, 16:Myaing Township, 17:Pakokku Township, 18:Pauk Township, 19:Seikphyu Township, 20:Yesagyo Township, 21:Aunglan Township, 22:Kamma Township, 23:Mindon Township, 24:Minhla Township, 25:Sinbaungwe Township, 26:Thayet Township, 27:Kyaukse Township, 28:Myittha Township, 29:Sintgaing Township, 30:Tada-U Township, 31:Amarapura Township, 32:Aungmyethazan Township, 33:Chanayethazan Township, 34:Chanmyathazi Township, 35:Maha Aungmye Township, 36:Patheingyi Township, 37:Pyigyidagun Township, 38:Mahlaing Township, 39:Meiktila Township, 40:Thazi Township, 41:Wundwin Township, 42:Myingyan Township, 43:Natogyi Township, 44:Nganzun Township, 45:Taungtha Township, 46:Kyaukpadaung Township, 47:Nyaung-U Township, 48:Ngathayauk Township, 49:Madaya Township, 50:Mogok Township, 51:Pyin Oo Lwin Township, 52:Singu Township, 53:Thabeikkyin Township, 54:Tagaung Township, 55:Pyawbwe Township, 56:Yamethin Township, 57:Hkamti Township, 58:Homalin Township, 59:Kale Township, 60:Kalewa Township, 61:Mingin Township, 62:Kanbalu Township, 63:Kyunhla Township, 64:Taze Township, 65:Ye-U Township, 66:Banmauk Township, 67:Indaw Township, 68:Katha Township, 69:Kawlin Township, 70:Pinlebu Township, 71:Htigyaing Township, 72:Wuntho Township, 73:Mawlaik Township, 74:Paungbyin Township, 75:Ayadaw Township, 76:Budalin Township, 77:Chaung-U Township, 78:Monywa Township, 79:Myaung Township, 80:Myinmu Township, 81:Sagain Township, 82:Khin-U Township, 83:Shwebo Township, 84:Wetlet Township, 85:Tabayin Township, 86:Tamu Township, 87:Kani Township, 88:Pale Township, 89:Salingyi Township, 90:Yinmabin Township,

[3] e154: E154. Who did you sell %c109% to during 2012?

Options: 1:Traders at local commodity exchange center, 2:Traders at commodity exchange center in another city (specify city), 3:Local urban traders, outside commodity exchange center, 4:Urban traders in another city, outside commodity exchange center (specify city), 5:Local urban retailers, 6:Urban retailers in another city (specify), 7:Traders in rural areas, 8:Consumers, 9:Exporters, 10:Buyers from China, 11:Buyers from India, 12:Oil mills, 13:Dhall manufacturers, 14:Noodle manufacturers, 15:Pulse flour millers, 16:NA(if they don't sell major crop of 2017 in 2012), 99:Other (Specify),

[4] d113: D113. Which of the following assests does the owner of this business own for use in the trading business at present?

Options: 1:12 wheel truck, 2:6 wheel truck, 3:4 wheel truck, 4:Trawlerjee/tractor (for transporting goods), 5:Tuk Tuk, 6:Motorcycle, 7:Oxcart, 8:Electronic scale, 9:Manual scale, 10:Landline phone, 11:Mobile phone (Handset + Sim Card), 12:Peanut Threshing machine, 13:Sesame Cleaning machine, 14:Color sorting machine, 15:Bagging machine, 16:Computer, 17:Generator, 18:Other asset(1) used for trading business, 19:Other asset(2) used for trading business, 20:Other asset(3) used for trading business,

APPENDIX C — VARIABLES

[1] value_c100:

(c100.Contains(1)? " ပဲ၊ဂျီမှုးရောင်းဝယ်ရေး၊":"")+ (c100.Contains(2)? " ဆီစက်လုပ်ငန်း၊":"")+ (c100.Contains(3)? " ပဲဖတ်၊ဂျီမှုးဖတ်ရောင်းဝယ်ရေး၊":"")+ (c100.Contains(4)? " ပဲခြစ်ကုလုပ်ငန်း၊":"")+ (c100.Contains(5)? " ခေါက်ဆြဲလုပ်ငန်း၊":"")+ (c100.Contains(6)? " ပဲမဂျန်နှုန်းကိတ်လုပ်ငန်း၊":"")+ (c100.Contains(7)? " တိုနှုဖူးလုပ်ငန်း၊":"")+ (c100.Contains(8)? " ပဲဘေးထဖြက်ပစ်ညှားရောင်းဝယ်ရေး၊":"")+ (c100.Contains(99)? " အချခား - "+c100a:"")

[2] share_income:

(c105a.HasValue? c105a:0)+ (c105b.HasValue? c105b:0)+ (c105c.HasValue? c105c:0)+ (c105d.HasValue? c105d:0)+ (c105e.HasValue? c105e:0)+ (c105f.HasValue? c105f:0)+ (c105g.HasValue? c105g:0)+ (c105h.HasValue? c105h:0)

[3] high_e178:

(e178.Contains(1)? " Jan,":"")+ (e178.Contains(2)? " Feb,":"")+ (e178.Contains(3)? " Mar,":"")+ (e178.Contains(4)? " Apr,":"")+ (e178.Contains(5)? " May,":"")+ (e178.Contains(6)? " Jun,":"")+ (e178.Contains(7)? " Jul,":"")+ (e178.Contains(8)? " Aug,":"")+ (e178.Contains(9)? " Sep,":"")+ (e178.Contains(10)? " Oct,":"")+ (e178.Contains(11)? " Nov,":"")+ (e178.Contains(12)? " Dec":"")

[4] low_e184:

(e184.Contains(1)? " Jan,":"")+ (e184.Contains(2)? " Feb,":"")+ (e184.Contains(3)? " Mar,":"")+ (e184.Contains(4)? " Apr,":"")+ (e184.Contains(5)? " May,":"")+ (e184.Contains(6)? " Jun,":"")+ (e184.Contains(7)? " Jul,":"")+ (e184.Contains(8)? " Aug,":"")+ (e184.Contains(9)? " Sep,":"")+ (e184.Contains(10)? " Oct,":"")+ (e184.Contains(11)? " Nov,":"")+ (e184.Contains(12)? " Dec":"")

[5] trade_e100:

(e100.Contains(1)? " လက်ကားရောင်းဝယ်သူ၊":"")+ (e100.Contains(2)? " အဝယ်တော်၊":"")+ (e100.Contains(3)? " ပဲခြစား၊":"")+ (e100.Contains(4)? " လက်လီရောင်းဝယ်သူ၊":"")+ (e100.Contains(5)? " ပိုနှုကုန်လုပ်ငန်းရဖွင်း၊":"")+ (e100.Contains(6)? " သခြင်းကုန်လုပ်ငန်းရဖွင် ":"")

[6] trade_e102:

(e102.Contains(1)? " Wholesaler,":"")+ (e102.Contains(2)? " Agent,":"")+ (e102.Contains(3)? " Broker,":"")+ (e102.Contains(4)? " Retailer,":"")+ (e102.Contains(5)? " Exporter,":"")+ (e102.Contains(6)? " Importer ":"")

[7] share_buy_2017:

(e115a.HasValue? e115a:0)+ (e115b.HasValue? e115b:0)+ (e115c.HasValue? e115c:0)+ (e115d.HasValue? e115d:0)+ (e115e.HasValue? e115e:0)+ (e115f.HasValue? e115f:0)+ (e115g.HasValue? e115g:0)+ (e115h.HasValue? e115h:0)+ (e115i.HasValue? e115i:0)+ (e115j.HasValue? e115j:0)

[8] share_buy_2012:

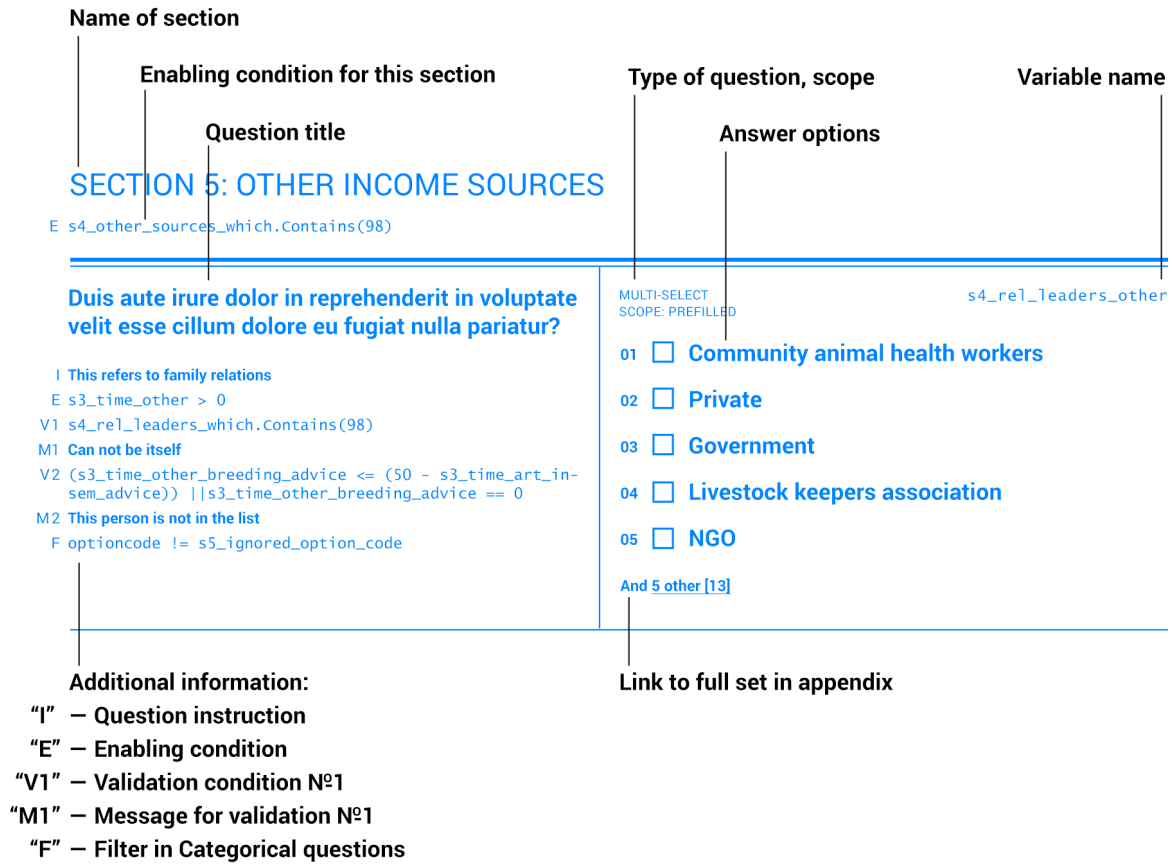
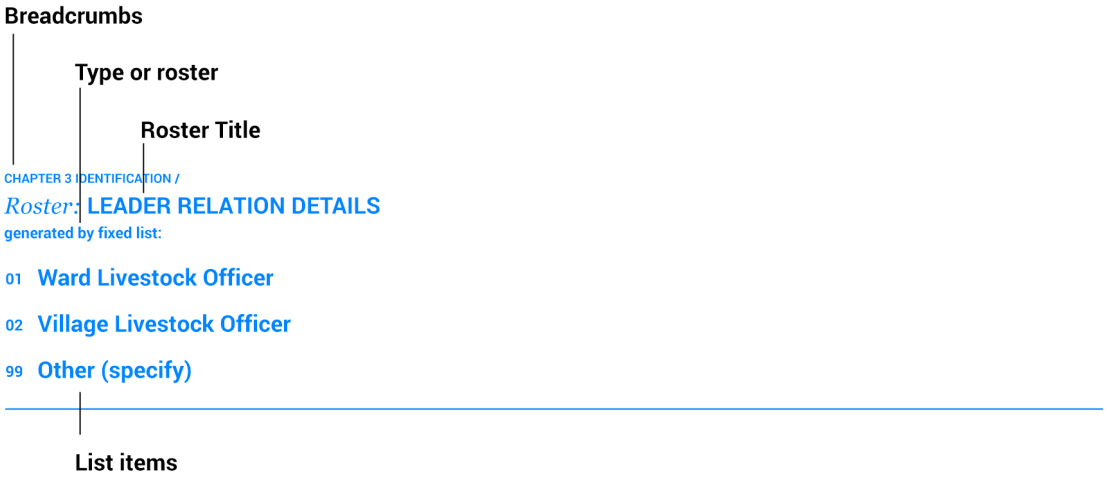
(e118a.HasValue? e118a:0)+ (e118b.HasValue? e118b:0)+ (e118c.HasValue? e118c:0)+ (e118d.HasValue? e118d:0)+ (e118e.HasValue? e118e:0)+ (e118f.HasValue? e118f:0)+ (e118g.HasValue? e118g:0)+ (e118h.HasValue? e118h:0)+ (e118i.HasValue? e118i:0)+ (e118j.HasValue? e118j:0)

[9] vehicle_e119:

(e119.Contains(1)? " ၁၂ ဘီးကား၊":"")+ (e119.Contains(2)? " ၆ ဘီးကား၊":"")+ (e119.Contains(3)? " ၄ ဘီးကား၊":"")+ (e119.Contains(4)? " ထော့လာဂဒီ-ထဖြန့စက်၊":"")+ (e119.Contains(5)? " သုံးဘီး(တုတ်တုတ်)၊":"")+ (e119.Contains(6)? " ဆိုကင်ယ်၊":"")+ (e119.Contains(7)? " လဖူသူး၊":"")+ (e119.Contains(8)? " လေဖူ":"")+ (e119.Contains(9)? " ခရီးသည်တကင်း၊":"")+ (e119.Contains(99) && IsAnswered(e119a)? " အချခား - "+e119a:"")

[10] vehicle_e161:

(e161.Contains(1)? " 12 Wheel Truck,":"")+ (e161.Contains(2)? " 6 Wheel Truck,":"")+ (e161.Contains(3)? " 4 Wheel Truck,":"")+ (e161.Contains(4)? " Trawlerjee/tractor,":"")+ (e161.Contains(5)? " Tuk Tuk,":"")+ (e161.Contains(6)? " Motorcycle,":"")+ (e161.Contains(7)? " Oxcart,":"")+ (e161.Contains(8)? " Boat,":"")+ (e161.Contains(9)? " Public bus,":"")+ (e161.Contains(99) && IsAnswered(e161a)? " Other - "+e161a:"")

LEGEND

Legend and structure of information in this file