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Agrologistics Questionnaire

MODULE 1: INTRODUCTION

Sub-sections: 1, No rosters, Questions: 10, Static texts: 1.

MODULE 2: BASIC TRADER INFORMATION

Sub-sections: 2, No rosters, Questions: 38, Static texts: 6, Variables: 1.

MODULE A: TRANSPORT BARRIERS

Sub-sections: 12, Rosters: 2, Questions: 88, Static texts: 11, Variables: 2.

MODULE B: STORAGE

Sub-sections: 1, No rosters, Questions: 15, Static texts: 1.

MODULE C: FINANCIAL ACCESS

Sub-sections: 4, No rosters, Questions: 34, Static texts: 1.

MODULE D: INFORMATION ACCESS

Sub-sections: 4, No rosters, Questions: 26, Static texts: 1.

MODULE E: END OF INTERVIEW

No sub-sections, No rosters, Questions: 7, Static texts: 3.

MODULE F: ENUMERATOR FEEDBACK

No sub-sections, No rosters, Questions: 8.

APPENDIX A — INSTRUCTIONS

APPENDIX B — OPTIONS

LEGEND

MODULE 1: INTRODUCTION

Please begin by tapping this button to record the time.	DATE: CURRENT TIME today
Interview Number	SINGLE-SELECT SCOPE: IDENTIFYING interview_num 01 0 1 02 0 2 03 0 3 04 0 4 05 0 5 06 0 6 07 0 7 08 0 8 09 0 9 10 0 10 11 0 11 12 0 12 13 0 13 14 0 14 15 0 15 16 0 16 And 34 other [1]
Please scan the QR code on your ID	BARCODE qr id
Please confirm that your bar code is not available. I If your barcode is not available, please tab below to select your team and name manually E !IsAnswered(qr_id) V1 self==1 M1 If your barcode is available please scan it in the question above.	SINGLE-SELECT qr noid 01 0 My barcode is NOT available 00 0 My barcode is available
Please confirm that you are %qr_id%. E IsAnswered(qr_id)	SINGLE-SELECT qr_idcheck 01 0 Yes 00 0 No
STATIC TEXT E qr_idcheck==0 If you are not %qr_id% please continue and select your name and team.	

MODULE 1: INTRODUCTION
TAB TO SELECT YOUR TEAM AND YOUR NAME MANUALLY

Which team are you in?	SINGLE-SELECT team id 81 0 Warrap 82 0 Northern Bahr el Ghazal 83 0 Western Bahr el Ghazal 84 0 Lakes 91 0 Western Equatoria 92 0 Central Equatoria 93 0 Eastern Equatoria 72 0 Jonglei
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Which member of the team are you?	<p>SINGLE-SELECT: CASCADING enum_id</p> <p>7201 <input type="radio"/> Peter Ajak Alaak</p> <p>8103 <input type="radio"/> Peter Yel Nhial</p> <p>8108 <input type="radio"/> Daniel Deng Ngong</p> <p>9204 <input type="radio"/> Langoya Amos Erkulano</p> <p>9103 <input type="radio"/> Aporomoh Doreen Mathya</p> <p>8206 <input type="radio"/> Simon Aken Kuol</p> <p>8209 <input type="radio"/> Rebecca Adau Malek</p> <p>8304 <input type="radio"/> Emerio Moses Saeed</p> <p>8309 <input type="radio"/> Andrea Fatur Mahmoud</p> <p>8406 <input type="radio"/> Nyandit Mading</p> <p>8410 <input type="radio"/> Apuggi Makuei Puorach</p> <p>9306 <input type="radio"/> Otieno John Okeny</p> <p>9309 <input type="radio"/> Kabab Michael Aldonic</p> <p>9105 <input type="radio"/> John Nboro Leyi</p> <p>9109 <input type="radio"/> Asenta Awadia Arun</p>
<p>Is your name %enum_id% from Team %team_id%?</p> <p>E IsAnswered(enum_id)</p> <p>V1 self==1</p> <p>M1 Please go back and choose your correct identifier.</p>	<p>SINGLE-SELECT enum_check</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>If your name is not in the list above, please enter your name manually.</p> <p>E enum_check!=1</p>	<p>TEXT name</p> <p>.....</p>
<p>What is the date you collected this data?</p> <p>I If you conducted this interview over several days, enter the first day you conducted the interview.</p>	<p>DATE my_date</p> <p>.....</p>

MODULE 2: BASIC TRADER INFORMATION

STATIC TEXT

This is the beginning of Module 2 and will collect some general information about you and your business.

State	<p>SINGLE-SELECT s_v</p> <p>SCOPE: IDENTIFYING</p> <p>81 <input type="radio"/> Warrap</p> <p>82 <input type="radio"/> Northern Bahr el Ghazal</p> <p>83 <input type="radio"/> Western Bahr el Ghazal</p> <p>84 <input type="radio"/> Lakes</p> <p>91 <input type="radio"/> Western Equatoria</p> <p>92 <input type="radio"/> Central Equatoria</p> <p>93 <input type="radio"/> Eastern Equatoria</p> <p>72 <input type="radio"/> Jonglei</p>
Town	<p>SINGLE-SELECT town</p> <p>SCOPE: IDENTIFYING</p> <p>01 <input type="radio"/> Aweil</p> <p>02 <input type="radio"/> Juba</p> <p>03 <input type="radio"/> Yambio</p> <p>04 <input type="radio"/> Rumbek</p> <p>05 <input type="radio"/> Torit</p> <p>06 <input type="radio"/> Wau</p> <p>07 <input type="radio"/> Kuajok</p> <p>08 <input type="radio"/> Tonj South</p> <p>09 <input type="radio"/> Yei</p> <p>10 <input type="radio"/> Magwi</p> <p>11 <input type="radio"/> Maridi</p> <p>12 <input type="radio"/> Bor Town</p>

	13 <input type="radio"/> Raga 14 <input type="radio"/> Aweil North 15 <input type="radio"/> Rumbek East 16 <input type="radio"/> Nimule
Location of the trader	GPS gps SCOPE: IDENTIFYING ----- N ----- W ----- A
Is this a replacement?	SINGLE-SELECT replacement SCOPE: IDENTIFYING 01 <input type="radio"/> Yes 00 <input type="radio"/> No
Geopoint	GPS loc ----- N ----- W ----- A
Please confirm that the GPS does not work at the moment. E !IsAnswered(loc)	SINGLE-SELECT loc_check 01 <input type="radio"/> Yes 00 <input type="radio"/> No

STATIC TEXT

E gps.GpsDistance(loc)>1000

Note: According to the GPS you do not appear to be close to the trader you need to interview. Please ensure you are at the correct trader, or that your GPS accuracy is good enough.

Please confirm that you are at the right location E loc_check==1	SINGLE-SELECT loc_diff 01 <input type="radio"/> Yes 00 <input type="radio"/> No
Telephone number	TEXT trader_tel SCOPE: IDENTIFYING -----

MODULE 2: BASIC TRADER INFORMATION IDENTIFICATION OF TRADER

Name of trader	TEXT trader_name SCOPE: IDENTIFYING -----
Is your name %trader_name%?	SINGLE-SELECT trader_name_confirm 01 <input type="radio"/> Yes 00 <input type="radio"/> No

STATIC TEXT

E trader_name_confirm==0

If there an individual present, ask if they have enough information about the business and could give an interview. If not, ask the individual about the trader that was supposed to be here and when they would be back so you can come back to conduct the interview. If they give you a time before 5pm anytime this week, come back. If there is a negative response

for both, please end and move onto the next trader that you have been assigned.

Can you answer questions about the trading business and practices	SINGLE-SELECT 01 <input type="radio"/> Yes 00 <input type="radio"/> No	trader other
E trader_name_confirm==0		
Please provide your first and last name	TEXT	other_trader_name
E trader_other==1		

STATIC TEXT

E trader_name_confirm==1 || trader_other==1

My name is [Say your name], I am working with the World Bank, a research organization that is conducting a study on the trade and market conditions in South Sudan. Your business has been selected to take part in Phase 2 of the STUDY, which will gather information from you about various trade barriers you face when conducting your business. Your PARTICIPATION IS COMPLETELY VOLUNTARY. All information you share with me is COMPLETELY CONFIDENTIAL. This means that there will be no way any information or answers you give me can be associated with your name. I also want to make it clear that there are no right or wrong answers. The survey won't provide individual benefits to you, but the information will be used to understand the factors that influence trade among regions in South Sudan. The information you provide will be used to INFORM DEVELOPMENT POLICIES of local and international organizations to improve the infrastructure and institutions of trade in South Sudan. To be able to answer these questions accurately, I would like to speak to the OWNER OF THE BUSINESS. If they are not available, then I would like to talk to the man and/or the woman who would know most about how the business usually buy and sell good. There are NO RISKS to taking part in this study, and your identity will remain ANONYMOUS. You can stop taking part in the survey at any time. Please take as much time as you need to decide if you'd like to participate in this survey. You may ask me any questions about the research project or the survey procedures that you'd like. I will also leave you my phone number in case you have any questions after the interview. I will use this mobile phone, which contains the questionnaire, to write down the answers you give me (show phone to the respondent).

May I continue the interview?	SINGLE-SELECT 01 <input type="radio"/> Yes 00 <input type="radio"/> No	maycontinue
I Has the trader who has enough information provided consent?		
E trader_name_confirm==1 trader_other==1		
VARIABLE (trader_name_confirm==1 trader_other==1) && maycontinue==1	BOOLEAN	consent

STATIC TEXT

E consent==false

Please thank the respondent and leave. Continue when you are at a safe and respectful distance.

STATIC TEXT

E trader_name_confirm==0 && trader_other==0

This interview will end because there was no knowledgeable trader present. Please come back again but not more than 2 times.

MODULE 2: BASIC TRADER INFORMATION
TRADER INFORMATION

What is your gender?	SINGLE-SELECT 01 <input type="radio"/> Female 02 <input type="radio"/> Male	gender
How old are you? (in Years)	NUMERIC: INTEGER	age
V1 self.InRange(15, 80)		
M1 Reported age is unlikely. Please confirm		
What is your country of nationality?	SINGLE-SELECT 0001 <input type="radio"/> South Sudan 0002 <input type="radio"/> Uganda 0003 <input type="radio"/> Sudan 0004 <input type="radio"/> Ethiopia	nationality

- 0005 ☐ Kenya
 0006 ☐ Eritrea
 1000 ☐ Other (Please specify)
 -0098 ☐ Don't know
 -0099 ☐ Refused to respond

<p>Other - please specify country of nationality</p> <p>E nationality==1000</p>	<p>TEXT nationality_other</p> <p>.....</p>
<p>How many years have you been working for this business?</p> <p>I This is just an estimate, ask the respondent to give a whole number. If less than 1 year please enter '0' here and ask for number of months using the next questions and record the number of months. If And 141 other symbols [1]</p> <p>V1 self.InRange (0, 50)</p> <p>M1 Number too high, please adjust</p>	<p>NUMERIC: INTEGER business_years</p> <p>-----</p>
<p>Please select the main product you sell from the following list</p> <p>I Please explain that the main product here refers to the one with the highest quantity sold from all the products the trader sells. The main product can also be in the grain or flour form.</p>	<p>SINGLE-SELECT product</p> <p>01 <input type="radio"/> Maize 02 <input type="radio"/> Millet 03 <input type="radio"/> Sorghum 04 <input type="radio"/> Rice</p>
<p>In one month, how many bags of %product% do you buy for resale?</p> <p>I Please ask the respondent to just give an estimate or average of bags he buys from from all his suppliers in each month for resale.</p>	<p>NUMERIC: INTEGER buy_bags</p> <p>-----</p>
<p>Approximately how many kgs of %product% are there in one bag for resale?</p>	<p>NUMERIC: DECIMAL kg_bag_buy</p> <p>-----</p>
<p>In one month, how many bags of %product% do you sell?</p> <p>I Please ask the respondent to just give an estimate or average number of bags he sells each month to all markets.</p>	<p>NUMERIC: INTEGER sell_bags</p> <p>-----</p>
<p>Approximately how many kgs of %product% are there in one bag sold?</p>	<p>NUMERIC: DECIMAL kg_bag_sell</p> <p>-----</p>
<p>Please specify the kind of buyers you sell %product% to.</p> <p>I Do not read out all instructions. Let the respondent indicate and choose accordingly. Also explain that a wholesaler is a middleman who does not produce goods by themselves or sell directly to consume And 3 other symbols [2]</p>	<p>MULTI-SELECT buyer_types</p> <p>0001 <input type="checkbox"/> Consumers from local town 0002 <input type="checkbox"/> Consumers from other towns in South Sudan 0003 <input type="checkbox"/> Consumers from other countries 0004 <input type="checkbox"/> Retailers from local town 0005 <input type="checkbox"/> Retailers from other towns in South Sudan 0006 <input type="checkbox"/> Retailers from other countries 0007 <input type="checkbox"/> Wholesalers from local town 0008 <input type="checkbox"/> Wholesalers from other towns in South Sudan 0009 <input type="checkbox"/> Wholesalers from other countries 0010 <input type="checkbox"/> Flour factories from local town 0011 <input type="checkbox"/> Flour factories from other towns 0012 <input type="checkbox"/> Flour factories from other countries 0013 <input type="checkbox"/> Government agencies 0014 <input type="checkbox"/> NGOs</p>

	0015 <input type="checkbox"/> Self consumption 1000 <input type="checkbox"/> Other (please specify)
Other - please specify the kind type of buyer you sell %product% to E buyer_types.ContainsAny(1000)	TEXT buyer_type_other
Compared to before December 2013, how has the amount of %product% you sold to all buyers in your town changed? E buyer_types.ContainsAny(1,4,7,10)	SINGLE-SELECT localbuyer_change 01 <input type="radio"/> Increased 02 <input type="radio"/> No change 03 <input type="radio"/> Decreased -98 <input type="radio"/> Don't know -99 <input type="radio"/> Refused to respond
What is the main reason that local buyers do not buy %product% from you? I Let the respondent tell you themselves and then check to see if it matches one of the responses here. E !buyer_types.ContainsAny(1,4,7,10)	SINGLE-SELECT reason nonlocal buyer 0001 <input type="radio"/> There is no local demand for the product 0002 <input type="radio"/> I don't want to compete with other suppliers in this town 0003 <input type="radio"/> I don't have information about local buyers 0004 <input type="radio"/> Local buyers prefer a quality that is different from what I sell 1000 <input type="radio"/> Other (please specify) -0098 <input type="radio"/> Don't know -0099 <input type="radio"/> Refused to respond
Do you buy %product% from suppliers?	SINGLE-SELECT any_supplier 01 <input type="radio"/> Yes 00 <input type="radio"/> No
Please specify the kind of suppliers you buy %product% from? I Do not read out all options. Let the respondent indicate and choose accordingly. Also explain that a wholesaler is a middleman who does not produce goods by themselves or sell directly to consumers.	MULTI-SELECT supplier_types 0001 <input type="checkbox"/> Farmer(s) in my local town 0002 <input type="checkbox"/> Farmer(s) in another town in South Sudan 0003 <input type="checkbox"/> Farmer(s) in another country 0004 <input type="checkbox"/> Wholesaler(s) in my local town 0005 <input type="checkbox"/> Wholesaler(s) in another town in South Sudan 0006 <input type="checkbox"/> Wholesaler(s) in another country 1000 <input type="checkbox"/> Other (please specify)
Other - please specify the kind of supplier you buy %product% from E supplier_types.ContainsAny(1000)	TEXT supplier_type other
Please specify the country your wholesalers bring supply from? E supplier_types.ContainsAny(6)	SINGLE-SELECT wholesalers from outside 0001 <input type="radio"/> Kenya 0002 <input type="radio"/> Uganda 0003 <input type="radio"/> Ethiopia 0004 <input type="radio"/> Democratic Republic of Congo (DRC) 0005 <input type="radio"/> Sudan 1000 <input type="radio"/> Other (please specify)
Other - please specify the country your wholesaler brings supply from E wholesalers_from_outside==1000	TEXT wholesalers from outside other
Compared to before December 2013, how has the amount of %product% you bought from	SINGLE-SELECT outsidewholesaler_change 01 <input type="radio"/> Increased

outside the country changed? E <code>supplier_types.ContainsAny(6)</code>	02 <input type="radio"/> No change 03 <input type="radio"/> Decreased -98 <input type="radio"/> Don't know -99 <input type="radio"/> Refused to respond
Compared to before December 2013, how has the amount of %product% you bought from farmers and wholesalers in your town changed? E <code>supplier_types.ContainsAny(1,4)</code>	SINGLE-SELECT localsupplier_change 01 <input type="radio"/> Increased 02 <input type="radio"/> No change 03 <input type="radio"/> Decreased -98 <input type="radio"/> Don't know -99 <input type="radio"/> Refused to respond
Do you buy %product% from farmers or producer cooperatives in your town? E <code>supplier_types.ContainsAny(1)</code>	SINGLE-SELECT producer_coop 01 <input type="radio"/> Yes 00 <input type="radio"/> No
Do you have an arrangement with local farmers to supply you with %product% at specific times in the year? E <code>supplier_types.ContainsAny(1)</code>	SINGLE-SELECT supply_contracting 01 <input type="radio"/> Yes 00 <input type="radio"/> No
What is the main reason that you do not buy from local suppliers from your town? E <code>!supplier_types.ContainsAny(1,4)</code>	SINGLE-SELECT reason_nonlocal_supplier 0001 <input type="radio"/> Local suppliers do not produce the grains i sell 0002 <input type="radio"/> Local suppliers do not produce enough grain 0003 <input type="radio"/> Local suppliers charge more for their grain than suppliers from outside town 0004 <input type="radio"/> Local suppliers are not reliable/ do not honor supply contracts 0005 <input type="radio"/> Local suppliers do not produce good quality products 1000 <input type="radio"/> Other (please specify) -0098 <input type="radio"/> Don't know -0099 <input type="radio"/> Refused to respond
Other - please specify the other reason you do not buy from local suppliers E <code>reason_nonlocal_supplier==1000</code>	TEXT reason_nonlocal_supplier_other

MODULE A: TRANSPORT BARRIERS

STATIC TEXT

This is the beginning of Module A. In this module, I would like to ask you trade and transport related questions.

Do you buy %product% from %town% to resell?	SINGLE-SELECT buy_from_current_town 01 <input type="radio"/> Yes 00 <input type="radio"/> No
In the past 6 months, have you bought %product% from other towns in South Sudan besides %town% to resell? I Please explain to the respondent that this is asking if they travel to another city to buy the product that he sells.	SINGLE-SELECT trader_town_buy 01 <input type="radio"/> Yes 00 <input type="radio"/> No

MODULE A: TRANSPORT BARRIERS

BUYING

E (trader_town_buy==1) || (supplier_types.ContainsAny(2,3,5,6))

In the past 6 months, which of the following towns did you buy %product% from?

I Please read out all the options to the respondent first and select each town as indicated by the respondent. You cannot select the current town.

F @optioncode!=(int)town

MULTI-SELECT

allmarkets_buy

- 01 ☐ Aweil
 02 ☐ Juba
 03 ☐ Yambio
 04 ☐ Rumbek
 05 ☐ Torit
 06 ☐ Wau
 07 ☐ Kuajok
 08 ☐ Tonj South
 09 ☐ Yei
 10 ☐ Magwi
 11 ☐ Maridi
 12 ☐ Bor Town
 13 ☐ Raga
 14 ☐ Aweil North
 15 ☐ Rumbek East
 16 ☐ Nimule

And [7 other \[2\]](#)

In the past 6 months, which is the main town you bought %product% from besides %town%.

I Main town refers to the town to which the trader makes the highest number of trips per month.

F allmarkets_buy.Contains(@optioncode)

V1 buying_market!=town

M1 Please select a town that isn't this town

SINGLE-SELECT

buying_market

- 01 ☐ Aweil
 02 ☐ Juba
 03 ☐ Yambio
 04 ☐ Rumbek
 05 ☐ Torit
 06 ☐ Wau
 07 ☐ Kuajok
 08 ☐ Tonj South
 09 ☐ Yei
 10 ☐ Magwi
 11 ☐ Maridi
 12 ☐ Bor Town
 13 ☐ Raga
 14 ☐ Aweil North
 15 ☐ Rumbek East
 16 ☐ Nimule

VARIABLE

allmarkets_buy.Length

LONG

num_marketsbuy

STATIC TEXT

Below is the list of all the towns you bought %product% from in the past 6 months. If you missed any please go back and check.

MODULE A: TRANSPORT BARRIERS / BUYING

Roster: TRIPS TO BUY

generated by multi-select question [allmarkets_buy](#)

buy_trips

In the past 6 months, how many round trips did you make to %rostartitle%

NUMERIC: INTEGER

buy_trips_num

V1 self.InRange(0,180)

M1 This number is too high, please ask respondent to adjust.

Compared to before December 2013, how have the amount of round trips to %rostartitle% changed?

SINGLE-SELECT

conflict_buy_trips

- 01 ☐ Increased
 02 ☐ No change
 03 ☐ Decreased
 -98 ☐ Don't know

	-99 <input type="radio"/> Refused to respond
<p>Please specify the main reason you buy %product% from %roster%title%</p> <p>I Please let respondent indicate the reason first and then select if it is in this list.</p>	<p>SINGLE-SELECT reason buy trips</p> <p>0001 <input type="radio"/> It is cheaper there than it is here</p> <p>0002 <input type="radio"/> There is more supply there</p> <p>0003 <input type="radio"/> I also sell to that market</p> <p>0004 <input type="radio"/> It is easier to access than a local seller</p> <p>0005 <input type="radio"/> It is better quality</p> <p>0006 <input type="radio"/> It is safer there</p> <p>1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify the main reason you buy %product% from %roster%title%</p> <p>E reason_buy_trips==1000</p>	<p>TEXT reason buy trips others</p> <p>.....</p>

MODULE A: TRANSPORT BARRIERS
MAIN ROUTE FOR BUYING

E trader_town_buy==1

STATIC TEXT

How long is a typical one way journey to %buying_market%?

<p>Number of days</p> <p>I Write 0 if the time taken is less than a day. Record the time in hours and minutes in the following questions. If more than a day, write the number of days here and if there are additional hours and d And 135 other symbols [3]</p> <p>V1 self.InRange(0,20)</p> <p>M1 Number is too high, please ask respondent to adjust</p>	<p>NUMERIC: INTEGER buytravelttime days</p> <p>-----</p>
<p>Number of hours</p> <p>I Write 0 if the time taken is less than an hour. Record the minutes in the following question.</p> <p>V1 self.InRange(0,23)</p> <p>M1 Can't be more than 24 hours, answer in days.</p>	<p>NUMERIC: INTEGER buytravelttime hrs</p> <p>-----</p>
<p>Number of minutes</p> <p>I Write 0 if you have already answered it in days or hours</p> <p>V1 self.InRange(0,59)</p> <p>M1 Can't be more than 60, answer in hours or days.</p>	<p>NUMERIC: INTEGER buytravelttime mins</p> <p>-----</p>

MODULE A: TRANSPORT BARRIERS / MAIN ROUTE FOR BUYING
ROAD CONDITION

<p>Is the route to %buying_market% tarmaced?</p> <p>I Tarmaced and paved are the same</p>	<p>SINGLE-SELECT buypaved_road</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>In the past 6 months, on how many round trips did you have to stop because your vehicle was damaged on the way to %buying_market%.</p> <p>V1 self.InRange(0,180)</p> <p>M1 Number is too high, please ask respondent to adjust</p>	<p>NUMERIC: INTEGER buydamage_time</p> <p>-----</p>
<p>Compared to before December 2013, how has</p>	<p>SINGLE-SELECT buyconflict_damage</p>

<p>the number of times you've stopped because of damage to vehicle changed?</p> <p>E IsAnswered (buydamage_time)</p>	<p>01 <input type="radio"/> Increased</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't know</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>Can you travel on the route to %buying_market% during the rainy season?</p>	<p>SINGLE-SELECT buyroute_rainaccess</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

STATIC TEXT

E buyroute_rainaccess==0

How long is the route to %buying_market% not accessible during the rainy season?

<p>Number in months</p> <p>I Write 0 if the time taken is less than one month. Record the time in days in the following questions.</p> <p>E buyroute_rainaccess==0</p> <p>V1 self.InRange (0,12)</p> <p>M1 Number too high, please ask respondent to adjust</p>	<p>NUMERIC: INTEGER buyroute_rainaccess_months</p> <p>-----</p>
<p>Number in days</p> <p>I Write 0 if you have already answered in months.</p> <p>E buyroute_rainaccess==0</p> <p>V1 self.InRange (0,30)</p> <p>M1 Answer in months</p>	<p>NUMERIC: INTEGER buyroute_rainaccess_days</p> <p>-----</p>
<p>In the past 6 months, how have the security threats on the route to %buying_market% changed?</p> <p>I Please explain that this refers to safety threats from the conflict going on in South Sudan</p>	<p>SINGLE-SELECT buyroute_conflictaccess</p> <p>01 <input type="radio"/> Increased</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't know</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>In the past 6 months, on how many round trips did you encounter fuel shortage along this route?</p> <p>V1 self.InRange (0,180)</p> <p>M1 Number is too high, please ask respondent to adjust</p>	<p>NUMERIC: INTEGER buyfreqfuel_shortage</p> <p>-----</p>
<p>Compared to before December 2013, how has the number of round trips where you were unable to find fuel change?</p>	<p>SINGLE-SELECT buyfuelfreq_conflict</p> <p>01 <input type="radio"/> Increased</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't know</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>On a typical one-way journey to %buying_market%, how many checkpoints do you cross?</p>	<p>NUMERIC: INTEGER buycheckpoints_num</p> <p>-----</p>

MODULE A: TRANSPORT BARRIERS / MAIN ROUTE FOR BUYING CHECKPOINTS

E buycheckpoints_num>0

<p>Compared to before December 2013, how has the number of checkpoints along the route changed?</p>	<p>SINGLE-SELECT buycheck_conflict</p> <p>01 <input type="radio"/> Increased</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't Know</p>
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STATIC TEXT

How long do you usually spend at one checkpoint along your way to %buying_market%?

<p>Number in hours</p> <p>I Write 0 if the time taken is less than an hour. Record the time in minutes in the following question.</p>	<p>NUMERIC: INTEGER buycheckpoint_duration_hrs</p> <p>-----</p>
<p>Number in minutes</p> <p>I Write 0 if you have already entered the respondent's response in hours</p> <p>V1 self.InRange(0, 59)</p> <p>M1 Please answer in hours</p>	<p>NUMERIC: INTEGER buycheckpoint_duration_mins</p> <p>-----</p>
<p>Compared to before December 2013, how has the amount of time you spend on checkpoints changed?</p> <p>E IsAnswered(buycheckpoint_duration_hrs) IsAnswered(buycheckpoint_duration_mins)</p>	<p>SINGLE-SELECT buycheck_conflicttime</p> <p>01 <input type="radio"/> Increased</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't Know</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>Since the creation of new states in South Sudan, how has the number of checkpoints on this route changed?</p> <p>I Please tell the respondent that the new states were created in October 2015.</p>	<p>SINGLE-SELECT buycheck_states</p> <p>01 <input type="radio"/> Increased</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't Know</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>Since the creation of new states, how has the amount of time spent at each checkpoint on this route changed?</p> <p>E IsAnswered(buycheckpoint_duration_hrs) IsAnswered(buycheckpoint_duration_mins)</p>	<p>SINGLE-SELECT buycheck_statestime</p> <p>01 <input type="radio"/> Increased</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't Know</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>In your opinion, what are the three most important transport barriers on the route to %buying_market%?</p> <p>I Do not read out all the responses. Let the respondent respond and choose accordingly. Inform the trader that 'importance' refers to the factor that has reduced travel to the market the most. 'Poor road' And 379 other symbols [4]</p>	<p>MULTI-SELECT: ORDERED buyroute_barrier</p> <p>0001 <input type="checkbox"/> Lack of safety from conflict</p> <p>0002 <input type="checkbox"/> High taxes</p> <p>0003 <input type="checkbox"/> Poor road condition</p> <p>0005 <input type="checkbox"/> Fuel shortages</p> <p>0006 <input type="checkbox"/> Accidents Happen on the way</p> <p>0007 <input type="checkbox"/> Too many checkpoints</p> <p>0008 <input type="checkbox"/> None</p> <p>1000 <input type="checkbox"/> Other (please specify)</p>
<p>Other - please specify most important transport barrier on the route to %buying_market%</p> <p>E buyroute_barrier.ContainsAny(1000)</p>	<p>TEXT buyroute_barrier_other</p> <p>-----</p>
<p>Do you know of one alternative way to get to %buying_market%?</p> <p>I Please explain alternative here just means another way of getting to the market, which could be another road or water travel or even air travel.</p>	<p>SINGLE-SELECT buyalt_route</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>Please specify the alternative way to get to %buying_market%</p> <p>E buyalt_route==1</p>	<p>SINGLE-SELECT buyaltroute_mean</p> <p>01 <input type="radio"/> Road</p> <p>02 <input type="radio"/> Water</p> <p>03 <input type="radio"/> Air</p>

<p>Do you use this alternative way to get to %buying_market%?</p> <p>E buyalt_route==1</p>	<p>SINGLE-SELECT buyuse_altroute</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>In your opinion, what is the most important transport problem using this alternative way to %buying_market%?</p> <p>I Do not read out all the responses. Let the respondent respond and choose accordingly. Inform the trader that 'importance' refers to the factor that has reduced travel to the market the most. 'Poor road' And 273 other symbols [5]</p> <p>E buyalt_route==1</p>	<p>SINGLE-SELECT buyaltroute_barrier</p> <p>0001 <input type="radio"/> Lack of safety from conflict</p> <p>0002 <input type="radio"/> High taxes</p> <p>0003 <input type="radio"/> Poor road condition</p> <p>0005 <input type="radio"/> Fuel shortages</p> <p>0006 <input type="radio"/> Accidents happen on the way</p> <p>0007 <input type="radio"/> Too many checkpoints</p> <p>0008 <input type="radio"/> None</p> <p>0009 <input type="radio"/> Air tickets are expensive</p> <p>1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify the most important problem using this alternative way</p> <p>E buyaltroute_barrier==1000</p>	<p>TEXT buyaltroute_barrier_other</p> <p>.....</p>

MODULE A: TRANSPORT BARRIERS

MEANS OF TRANSPORTATION FOR BUYING

<p>trader_town_buy==1</p>	
<p>What is the main type of vehicle you use to transport %product% to %buying_market%?</p> <p>I Please explain to the respondent that 'vehicle' refers to both motorized and non-motorized type of transportation.</p>	<p>SINGLE-SELECT buyprimary_vehicle</p> <p>0001 <input type="radio"/> Personal car</p> <p>0002 <input type="radio"/> Heavy vehicle (e.g Lorry, Truck or Pick-up truck)</p> <p>0003 <input type="radio"/> Light Vehicle (e.g Motorcycle/Boda-Boda, Bicycle or Tuk-Tuk)</p> <p>0004 <input type="radio"/> Water vehicle (e.g Boat or Nile barge)</p> <p>0005 <input type="radio"/> Bus</p> <p>1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify the main vehicle you use</p> <p>E buyprimary_vehicle==1000</p>	<p>TEXT buyprimary_vehicle_other</p> <p>.....</p>
<p>How many of the %buyprimary_vehicle% do you use at one time to transport %product% to %buying_market%?</p> <p>V1 self.InRange(0, 50)</p> <p>M1 Number is too high, please ask respondent to adjust</p>	<p>NUMERIC: INTEGER buyvehicle_number</p> <p>-----</p>
<p>What is your main means of accessing %buyprimary_vehicle%?</p> <p>I Please select as indicated by respondent.</p>	<p>SINGLE-SELECT buytype_transportacc</p> <p>0001 <input type="radio"/> I have my own</p> <p>0002 <input type="radio"/> I hire from the market</p> <p>0003 <input type="radio"/> I borrow from another trader</p> <p>0004 <input type="radio"/> I share with other traders</p> <p>0005 <input type="radio"/> I pay a fee to travel with my goods on the bus</p> <p>0006 <input type="radio"/> I pay a fee for a bus company to transport my goods without me</p> <p>0007 <input type="radio"/> I pay a fee to travel with my goods on the boat</p>

	0008 <input type="radio"/> I pay a fee for a boat company to transport my goods without me 1000 <input type="radio"/> Other (please specify) -0098 <input type="radio"/> Don't know -0099 <input type="radio"/> Refused to respond
Other - please specify the main means of accessing %buyprimary_vehicle%	TEXT buytype_transportacc_other
E buytype_transportacc==1000	

MODULE A: TRANSPORT BARRIERS
REASONS FOR NOT BUYING

E trader_town_buy==0

STATIC TEXT

Since you indicated that you do not currently buy %product% from outside %town%, I will ask you some questions about why you don't.

Did you ever buy from other towns in the past 10 years?	SINGLE-SELECT buy town past 01 <input type="radio"/> Yes 00 <input type="radio"/> No
Please select the three main reasons you stopped buying from towns outside %town% I Please select as indicated by the respondent. This is a ranked response, so the first one you select must be the most important reason, the second the second most important reason and the third the third. And 26 other symbols [6] E buy_town_past==1	MULTI-SELECT: ORDERED stop buying 0001 <input type="checkbox"/> It was costing me too much to travel to the other towns 0002 <input type="checkbox"/> Route to the other towns became too unsafe 0003 <input type="checkbox"/> The product was no longer easily available in the other towns 0004 <input type="checkbox"/> Transportation vehicles became too hard to access 0005 <input type="checkbox"/> The condition of roads to the other towns worsened 0006 <input type="checkbox"/> Demand for the product I bought from other towns decreased 0007 <input type="checkbox"/> I was too sick to work 0008 <input type="checkbox"/> There were fuel shortages 1000 <input type="checkbox"/> Other (please specify)
Other - please specify why you stopped buying from outside %town%	TEXT stop buying other
E stop_buying.ContainsAny(1000)	
Please specify the three main reasons you don't buy from other towns besides %town% I Please select as indicated by the respondent. This is a ranked response, so the first one you select must be the most important reason, the second the second most important reason and the third the third. And 26 other symbols [7] E buy_town_past==0	MULTI-SELECT: ORDERED nooutside_buying 0001 <input type="checkbox"/> I can't afford to buy from other towns 0002 <input type="checkbox"/> The roads to other towns are too unsafe 0003 <input type="checkbox"/> I can't access transportation vehicles to other towns 0004 <input type="checkbox"/> I can buy the quantity of product I want from my town 0005 <input type="checkbox"/> Consumers can buy the quantity of product they want in my town 1000 <input type="checkbox"/> Other (please specify)
Other - please specify why don't buy from other towns	TEXT nooutside_buyingother

E	nooutside_buying.ContainsAny(1000)	
Do you sell %product% to %town%?		SINGLE-SELECT sell_to_current_town 01 <input type="radio"/> Yes 00 <input type="radio"/> No
In the past 6 months, have you sold %product% to other towns in South Sudan besides %town%?		SINGLE-SELECT trader_town_sell 01 <input type="radio"/> Yes 00 <input type="radio"/> No
I	Please explain to the respondent that this is asking if they travel to another city to sell the product.	

MODULE A: TRANSPORT BARRIERS
SELLING

E (trader_town_sell==1) || (buyer_types.ContainsAny(2,3,5,6,8,9,11,12))

In the past 6 months, which of the following towns did you sell %product% to? I Please read out all options first and select each town as indicated by the respondent. You cannot select the current town. F @optioncode!=(int)town		MULTI-SELECT allmarkets_sell 01 <input type="checkbox"/> Aweil 02 <input type="checkbox"/> Juba 03 <input type="checkbox"/> Yambio 04 <input type="checkbox"/> Rumbek 05 <input type="checkbox"/> Torit 06 <input type="checkbox"/> Wau 07 <input type="checkbox"/> Kuajok 08 <input type="checkbox"/> Tonj South 09 <input type="checkbox"/> Yei 10 <input type="checkbox"/> Magwi 11 <input type="checkbox"/> Maridi 12 <input type="checkbox"/> Bor Town 13 <input type="checkbox"/> Raga 14 <input type="checkbox"/> Aweil North 15 <input type="checkbox"/> Rumbek East 16 <input type="checkbox"/> Nimule And 7 other [3]
In the past 6 months, which is the main town you sold %product% to besides %town%. I Main town refers to the town to which the trader makes the highest number of trips per month. F allmarkets_sell.Contains(@optioncode) V1 selling_market!=town M1 Please select a town that isn't this town		SINGLE-SELECT selling_market 01 <input type="radio"/> Aweil 02 <input type="radio"/> Juba 03 <input type="radio"/> Yambio 04 <input type="radio"/> Rumbek 05 <input type="radio"/> Torit 06 <input type="radio"/> Wau 07 <input type="radio"/> Kuajok 08 <input type="radio"/> Tonj South 09 <input type="radio"/> Yei 10 <input type="radio"/> Magwi 11 <input type="radio"/> Maridi 12 <input type="radio"/> Bor Town 13 <input type="radio"/> Raga 14 <input type="radio"/> Aweil North 15 <input type="radio"/> Rumbek East 16 <input type="radio"/> Nimule
VARIABLE	allmarkets_sell.Length	LONG num marketssell

STATIC TEXT

Below is the list of all the towns you sold %product% to. If you missed any please go back and check.

Roster: TRIPS TO SELL

generated by multi-select question [allmarkets sell](#)

sell_trips

<p>In the past 6 months, how many round trips did you make to %rostartitle%?</p> <p>V1 <code>self.InRange(0,180)</code></p> <p>M1 This number is too high, please ask respondent to adjust.</p>	<p>NUMERIC: INTEGER sell_trips_num</p> <p>-----</p>
<p>Compared to before December 2013, how have the amount of round trips to %rostartitle% changed?</p>	<p>SINGLE-SELECT conflict_sell_trips</p> <p>01 <input type="radio"/> Increased</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't know</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>Please specify the main reason you sell %product% to %rostartitle%</p> <p>I Please let respondent indicate the reason first and then select if it is in this list.</p>	<p>SINGLE-SELECT reason_sell_trips</p> <p>0001 <input type="radio"/> The price of the product is higher there than here</p> <p>0002 <input type="radio"/> There is more demand for the product there</p> <p>0003 <input type="radio"/> There are more buyers for my product there than here</p> <p>0004 <input type="radio"/> They do not produce my product in that town</p> <p>1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify the main reason you sell %product% to %rostartitle%</p> <p>E <code>reason_sell_trips==1000</code></p>	<p>TEXT reason_sell_trips_others</p> <p>-----</p>

MODULE A: TRANSPORT BARRIERS

MAIN ROUTE FOR SELLING

E `trader_town_sell==1 && buying_market!=selling_market`

STATIC TEXT

How long is a typical one way journey to %selling_market%?

<p>Number of days</p> <p>I Write 0 if the time taken is less than a day. Record the time in hours and minutes in the following questions. If more than a day, write the number of days here and if there are additional hours and minutes. And 135 other symbols [8]</p> <p>V1 <code>self.InRange(0,20)</code></p> <p>M1 Number is too high, please ask respondent to adjust</p>	<p>NUMERIC: INTEGER selltraveltime days</p> <p>-----</p>
<p>Number of hours</p> <p>I Write 0 if the time taken is less than an hour. Record the time in minutes in the following question.</p> <p>V1 <code>self.InRange(0,23)</code></p> <p>M1 Can not be more than 24 hours, answer in days.</p>	<p>NUMERIC: INTEGER selltraveltime hrs</p> <p>-----</p>
<p>Number of minutes</p> <p>I Write 0 if you have already entered the respondent's answer in either days or hours</p> <p>V1 <code>self.InRange(0,59)</code></p> <p>M1 Cannot be more than 120, answer is hours or days</p>	<p>NUMERIC: INTEGER selltraveltime mins</p> <p>-----</p>

MODULE A: TRANSPORT BARRIERS / MAIN ROUTE FOR SELLING
ROAD CONDITION

Is the route to %selling_market% tarmaced?	<p>SINGLE-SELECT sellpaved road</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
I Tarmaced and paved are the same	
In the past 6 months, on how many round trips did you have to stop because of damage to the vehicle caused on the way to %selling_market%?	<p>NUMERIC: INTEGER selldamage time</p> <p>-----</p>
<p>V1 self.InRange(0,180)</p> <p>M1 Number is too high, please ask respondent to adjust</p>	
Compared to before December 2013, how has the number of times you've stopped because of damage to vehicle changed?	<p>SINGLE-SELECT sellconflict_damage</p> <p>01 <input type="radio"/> Increased</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't know</p> <p>-99 <input type="radio"/> Refused to respond</p>
E IsAnswered(selldamage_time)	
Can you travel on the route to %selling_market% during the rainy season?	<p>SINGLE-SELECT sellroute_rainaccess</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
STATIC TEXT	
<p>E sellroute_rainaccess==0</p> <p><i>How long is the route to %selling_market% not accessible during the rainy season?</i></p>	
Number in months	<p>NUMERIC: INTEGER sellroute_rainaccess months</p> <p>-----</p>
<p>I Write 0 if the time taken is less than a month. Record the time in days in the following question.</p> <p>E sellroute_rainaccess==0</p> <p>V1 self.InRange(0,12)</p> <p>M1 Number is too high, please ask respondent to adjust</p>	
Number in days	<p>NUMERIC: INTEGER sellroute_rainaccess_days</p> <p>-----</p>
<p>I Write 0 if you have already entered the respondent's answer in month s.</p> <p>E sellroute_rainaccess==0</p> <p>V1 self.InRange(0,30)</p> <p>M1 Please answer in months</p>	
In the past 6 months, how have the security threats on the route to %selling_market% changed?	<p>SINGLE-SELECT sellroute_conflictaccess</p> <p>01 <input type="radio"/> Increased</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't know</p> <p>-99 <input type="radio"/> Refused to respond</p>
I Please explain that this refers to safety threats from the conflict going on in South Sudan	
In the past 6 months, on how many round trips did you encounter fuel shortage along this route?	<p>NUMERIC: INTEGER selffreqfuel_shortage</p> <p>-----</p>
<p>V1 self.InRange(0,180)</p> <p>M1 Number is too high, please ask respondent to adjust</p>	
Compared to before December 2013, how has the number of round trips where you were unable to find fuel change?	<p>SINGLE-SELECT selffuelfreq_conflict</p> <p>01 <input type="radio"/> Increased</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't know</p> <p>-99 <input type="radio"/> Refused to respond</p>
E IsAnswered(selffreqfuel_shortage)	

On a typical one-way journey to %selling_market%, how many checkpoints do you cross?	NUMERIC: INTEGER sellcheckpoints_num -----
--	--

MODULE A: TRANSPORT BARRIERS / MAIN ROUTE FOR SELLING CHECKPOINTS

E sellcheckpoints_num>0

Compared to before December 2013, how has the number of checkpoints on this route changed?	SINGLE-SELECT sellcheck_conflict 01 <input type="radio"/> Increased 02 <input type="radio"/> No change 03 <input type="radio"/> Decreased -98 <input type="radio"/> Don't Know -99 <input type="radio"/> Refused to respond
--	---

STATIC TEXT

How much time do you usually spend at one checkpoint along your way to %selling_market%?

Number in hours	NUMERIC: INTEGER sellcheckpoint_duration_hrs -----
-----------------	--

I Write 0 if the time taken is less than an hour. Record the time in minutes in the following question.

Number in minutes	NUMERIC: INTEGER sellcheckpoint_duration_mins -----
-------------------	---

I Write 0 if you have already entered the respondent's answer in hours
 V1 self.InRange(0,59)
 M1 Please answer in hours

Compared to before December 2013, how has the amount of time spent at each checkpoint along this route changed?	SINGLE-SELECT sellcheck_conflictime 01 <input type="radio"/> Increased 02 <input type="radio"/> No change 03 <input type="radio"/> Decreased -98 <input type="radio"/> Don't Know -99 <input type="radio"/> Refused to respond
---	--

E IsAnswered(sellcheckpoint_duration_mins) || IsAnswered(sellcheckpoint_duration_hrs)

Since the creation of new states in South Sudan, how has the number of checkpoints along this route changed?	SINGLE-SELECT sellcheck_states 01 <input type="radio"/> Increased 02 <input type="radio"/> No change 03 <input type="radio"/> Decreased -98 <input type="radio"/> Don't Know -99 <input type="radio"/> Refused to respond
--	---

I Please tell the respondent that the new states were created in October 2015.

Compared to before the creation of new states, how has the amount of time spent at each checkpoint on this route changed?	SINGLE-SELECT sellcheck_statestime 01 <input type="radio"/> Increased 02 <input type="radio"/> No change 03 <input type="radio"/> Decreased -98 <input type="radio"/> Don't Know -99 <input type="radio"/> Refused to respond
---	---

E IsAnswered(sellcheckpoint_duration_mins) || IsAnswered(sellcheckpoint_duration_hrs)

In your opinion, what are the three most important transport problems on the route to %selling_market%?	MULTI-SELECT: ORDERED sellroute_barrier 0001 <input type="checkbox"/> Lack of safety from conflict 0002 <input type="checkbox"/> High taxes 0003 <input type="checkbox"/> Poor road condition 0004 <input type="checkbox"/> Damaged and impassable roads during raining seasons 0005 <input type="checkbox"/> Fuel shortages 0006 <input type="checkbox"/> Accidents happen on the way 0007 <input type="checkbox"/> Too many checkpoints 0008 <input type="checkbox"/> None 1000 <input type="checkbox"/> Other (please specify)
---	---

I Do not read out all the responses. Let the respondent respond and choose accordingly. Inform the trader that 'importance' refers to the factor that has reduced travel to the market the most. 'Poor road' And [380 other symbols \[9\]](#)

<p>Other - please specify most important transport problem on the route to %selling_market%</p> <p>E sellroute_barrier.ContainsAny(1000)</p>	<p>TEXT</p> <p>sellroute_barrier_other</p> <p>.....</p>
<p>Do you know of an alternative way to get to %selling_market%?</p> <p>I Please explain alternative here just means another way of getting to the market, which could be another road or water travel or even air travel.</p>	<p>SINGLE-SELECT</p> <p>sellalt_route</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>Please specify one alternative way to get to %selling_market%</p> <p>E sellalt_route==1</p>	<p>SINGLE-SELECT</p> <p>sellaltroute_mean</p> <p>01 <input type="radio"/> Road</p> <p>02 <input type="radio"/> Water</p> <p>03 <input type="radio"/> Air</p>
<p>Do you use this alternative way to get to %selling_market%?</p> <p>E sellalt_route==1</p>	<p>SINGLE-SELECT</p> <p>selluse_altroute</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>In your opinion, what is the most important transport problem using the alternative way to %selling_market%?</p> <p>I Do not read out all the responses. Let the respondent respond and choose accordingly. Inform the trader that 'importance' refers to the factor that has reduced travel to the market the most. 'Poor road' And 255 other symbols [10]</p> <p>E sellalt_route==1</p>	<p>SINGLE-SELECT</p> <p>sellaltroute_barrier</p> <p>0001 <input type="radio"/> Lack of safety from conflict</p> <p>0002 <input type="radio"/> High taxes</p> <p>0003 <input type="radio"/> Poor road condition</p> <p>0005 <input type="radio"/> Fuel shortages</p> <p>0006 <input type="radio"/> Accidents Happen on the way</p> <p>0007 <input type="radio"/> Too many checkpoints</p> <p>0008 <input type="radio"/> None</p> <p>0009 <input type="radio"/> Air tickets are expensive</p> <p>-1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify the most important transport problem using this alternative way</p> <p>E sellaltroute_barrier==1000</p>	<p>TEXT</p> <p>sellaltroute_barrier_other</p> <p>.....</p>

MODULE A: TRANSPORT BARRIERS

MEANS OF TRANSPORTATION FOR SELLING

E trader_town_sell==1 && buying_market!=selling_market

<p>What is the main vehicle you use to transport %product% to %selling_market%?</p> <p>I Please explain to the respondent that 'vehicle' refers to both motorized and non-motorized type of transportation. Also read out loud the answer options to the respondent and ask him to select one.</p>	<p>SINGLE-SELECT</p> <p>sellprimary_vehicle</p> <p>0001 <input type="radio"/> Personal car</p> <p>0002 <input type="radio"/> Heavy vehicle (e.g Lorry, Truck or Pick-up truck)</p> <p>0003 <input type="radio"/> Light Vehicle (e.g. Motorcycle/Boda-Boda, Bicycle or Tuk-Tuk)</p> <p>0004 <input type="radio"/> Water vehicle (e.g. Boat or Nile barge)</p> <p>0005 <input type="radio"/> Bus</p> <p>1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify the main vehicle you use</p> <p>E sellprimary_vehicle==1000</p>	<p>TEXT</p> <p>sellprimary_vehicle_other</p> <p>.....</p>
<p>How many %sellprimary_vehicle% do you use</p>	<p>NUMERIC: INTEGER</p> <p>sellvehicle_number</p>

<p>at one time to transport %product% to %selling_market%?</p> <p>V1 self.InRange(0,50)</p> <p>M1 Number to high, please ask respondent to adjust.</p>	<p>-----</p>
<p>What is your main means of accessing %sellprimary_vehicle%?</p> <p>I Please select as indicated by respondent</p>	<p>SINGLE-SELECT selltype transportacc</p> <p>0001 <input type="radio"/> I have my own</p> <p>0002 <input type="radio"/> I hire from the market</p> <p>0003 <input type="radio"/> I borrow from another trader</p> <p>0004 <input type="radio"/> I share with other traders</p> <p>0005 <input type="radio"/> I pay a fee to travel on the vehicle with my goods</p> <p>0006 <input type="radio"/> I pay a fee for a bus company to transport my goods without me</p> <p>0007 <input type="radio"/> I pay a fee to travel on the boat with my goods</p> <p>0008 <input type="radio"/> I pay a fee for a boat company to transport my goods without me</p> <p>1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify the main means of accessing %sellprimary_vehicle%</p> <p>E selltype_transportacc==1000</p>	<p>TEXT selltype_transportacc_other</p> <p>-----</p>

MODULE A: TRANSPORT BARRIERS
REASONS FOR NOT SELLING

E trader_town_sell==0

STATIC TEXT

Since you indicated that you do not sell %product% outside %town% currently, I will ask you some questions about why you don't.

<p>Did you ever sell to other towns in the past 10 years?</p>	<p>SINGLE-SELECT sell_town_past</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>Please specify the three main reasons you stopped selling to towns outside %town%?</p> <p>I Please select as indicated by the respondent. This is a ranked response, so the first one you select must be the most important reason, the second the second most important reason and the third the third most important reason. And 26 other symbols [11]</p> <p>E sell_town_past==1</p>	<p>MULTI-SELECT: ORDERED stop_selling</p> <p>0001 <input type="checkbox"/> It was costing me too much to travel there</p> <p>0002 <input type="checkbox"/> The route to the town became too unsafe</p> <p>0003 <input type="checkbox"/> Demand for the product decreased in the other(s) market</p> <p>0004 <input type="checkbox"/> Transportation vehicles became hard to access</p> <p>0005 <input type="checkbox"/> Road condition to other towns worsened</p> <p>0006 <input type="checkbox"/> I didn't have enough to sell to other markets</p> <p>0007 <input type="checkbox"/> I was sick</p> <p>0008 <input type="checkbox"/> There were fuel shortages</p> <p>1000 <input type="checkbox"/> Other (please specify)</p>
<p>Other - please specify why you stopped selling to towns outside %town%</p> <p>E stop_selling.ContainsAny(1000)</p>	<p>TEXT stop_selling_other</p> <p>-----</p>

Please specify the three main reasons you don't sell to other towns besides %town%

I Please select as indicated by the respondent. This is a ranked response, so the first one you select must be the most important reason, the second the second most important reason and the third the third most important reason. And [26 other symbols \[12\]](#)

E sell_town_past==0

MULTI-SELECT: ORDERED

nooutside_selling

- 0001 ☐ I can't afford to sell outside my town
- 0002 ☐ The route to the other towns are too unsafe
- 0003 ☐ I cannot easily access transportation vehicles to other towns
- 0004 ☐ I can sell the quantities I want in my town
- 0005 ☐ There is no demand for my product in other towns
- 0006 ☐ I don't have information about demand in other towns
- 0007 ☐ I don't have information about supply in other towns
- 1000 ☐ Other (please specify)

Other - please specify why you don't sell to other towns

E nooutside_selling.ContainsAny(1000)

TEXT

nooutside_sellingother

.....

MODULE B: STORAGE

STATIC TEXT

This is the beginning of Module B. In this module, I would like to ask you storage related questions.

In the past 12 months, did you sell %product% throughout the year?

I Please explain to the respondent 'throughout the year' means he sold his product at least once every week in the year.

SINGLE-SELECT

sell_allyear

- 01 ☐ Yes
- 00 ☐ No

If not, what was the main reason you did not sell throughout the year?

I Do not read out the response options to the respondent. Let him give you a response and see if it fits any of the responses and select accordingly.

E sell_allyear==0

SINGLE-SELECT

sell_whynot

- 0001 ☐ Demand for my product is seasonal
- 0002 ☐ I lacked funds to operate throughout the year
- 0003 ☐ I did not have access to storage
- 0004 ☐ The insecurity caused from the conflict disrupted sales
- 0005 ☐ Bad/low harvest stopped/decreased supply
- 0006 ☐ I fell sick during the year
- 0007 ☐ I used my funds for other purposes instead of my business
- 1000 ☐ Other (please specify)
- 0098 ☐ Don't know
- 0099 ☐ Refused to respond

Other - please specify the main reason you did not sell throughout the year

E sell_whynot==1000

TEXT

sell_whynot other

.....

Are you able to sell %product% in %town% after the post-harvest season?

I Post-harvest season refer to the stage of crop production immediately following harvest. Generally during the post-harvest period there is a lot of supply but after post-harvest not a lot. This question is about the post-harvest season. And [69 other symbols \[13\]](#)

SINGLE-SELECT

postharvest_sell

- 01 ☐ Yes
- 00 ☐ No
- 98 ☐ Don't know

<p>Are you able to sell %product% in %selling_market% after the post-harvest season?</p> <p>I Post-harvest season refer to the stage of crop production immediately following harvest. Generally during the post-harvest period there is a lot of supply but after post-harvest not a lot. This question And 68 other symbols [14]</p> <p>E trader_town_sell==1</p>	<p>SINGLE-SELECT postharvest_sell2</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-98 <input type="radio"/> Don't know</p>
<p>Are you able to sell %product% in %town% during a low harvest period?</p>	<p>SINGLE-SELECT badharvest_sell1</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-98 <input type="radio"/> Don't know</p>
<p>Are you able to sell %product% in %selling_market% during a low harvest period?</p> <p>E trader_town_sell==1</p>	<p>SINGLE-SELECT badharvest_sell2</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>Do you store goods that are not sold immediately?</p> <p>I Please explain that this means storing unsold goods so that you can sell them later</p>	<p>SINGLE-SELECT storage</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

MODULE B: STORAGE STORAGE FACILITY

<p>E storage==1</p>	
<p>How do you mainly store %product%?</p>	<p>SINGLE-SELECT storage_alt</p> <p>0001 <input type="radio"/> I store goods in my home</p> <p>0002 <input type="radio"/> I rent a storage warehouse</p> <p>0003 <input type="radio"/> I share a storage warehouse with other traders</p> <p>0004 <input type="radio"/> I store in my shop</p> <p>0005 <input type="radio"/> I have my own storage warehouse</p> <p>1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify storage</p> <p>E storage_alt==1000</p>	<p>TEXT other_storage</p> <p>.....</p>
<p>In one month, how many bags of %product% do you store in the storage facility you use?</p> <p>I Please ask the respondent to give an estimate/average number.</p>	<p>NUMERIC: INTEGER store_bags</p> <p>-----</p>
<p>Approximately how many kgs of %product% are there in one bag stored?</p>	<p>NUMERIC: DECIMAL kg_bag_store</p> <p>-----</p>
<p>Does the storage you use meet your storage needs?</p>	<p>SINGLE-SELECT storage_needs</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>In your opinion, what is the biggest problem facing traders who want to store their product to sell in the future?</p>	<p>SINGLE-SELECT No1Storage_Problem</p> <p>0001 <input type="radio"/> There are no storage warehouses in the market</p> <p>0002 <input type="radio"/> The storage warehouses are expensive to rent</p>

	0003 <input type="radio"/> There is fear that product stored will be stolen/looted 0004 <input type="radio"/> There is fear that the products stored will spoil 1000 <input type="radio"/> Other (please specify) -0098 <input type="radio"/> Don't know -0099 <input type="radio"/> Refused to respond
Other - please specify the other biggest problem facing traders who want to store their product for sale in the future. E No1Storage_Problem==1000	TEXT OtherNo1Storage_Problem

MODULE C: FINANCIAL ACCESS

STATIC TEXT

This is the beginning of Module C. In this module, I would like to ask you finance related questions.

MODULE C: FINANCIAL ACCESS LOAN ACCESS

In the past 3 years, have you taken any loan for your trading business? I Please explain to the respondent that 'loan' refers to all money borrowed from both formal sources like banks and also from informal sources like friends and relatives	SINGLE-SELECT loan 01 <input type="radio"/> Yes 00 <input type="radio"/> No
Where did you get the loan for your business from? E loan==1	MULTI-SELECT loan_sources 0001 <input type="checkbox"/> Bank 0002 <input type="checkbox"/> Microfinance organization 0003 <input type="checkbox"/> Savings and credit association 0004 <input type="checkbox"/> NGO 0005 <input type="checkbox"/> Another trader 0006 <input type="checkbox"/> Friend or relative 0007 <input type="checkbox"/> Sanduk-sanduk group (Rotating savings and credit association - ROSCA) 1000 <input type="checkbox"/> Other (please specify) -0098 <input type="checkbox"/> Don't know -0099 <input type="checkbox"/> Refused to respond
Other - Please specify where you got these loans from. E loan_sources.ContainsAny(1000)	TEXT loan_sources_other
If you needed to borrow 5000 SSP, where would you prefer to get it from?	SINGLE-SELECT loan_best 0001 <input type="radio"/> Bank 0002 <input type="radio"/> Microfinance organization 0003 <input type="radio"/> Savings and credit association 0004 <input type="radio"/> NGO 0005 <input type="radio"/> Another trader 0006 <input type="radio"/> Friend or relative 0007 <input type="radio"/> Sanduk-sanduk group 1000 <input type="radio"/> Other (Please specify) -0098 <input type="radio"/> Don't know -0099 <input type="radio"/> Refused to respond
Other - Please specify where you prefer to get the loan	TEXT loan_best_other

E loan_best==1000	
<p>If you had more places to get a loan from, would you take out more loans for your business?</p>	<p>SINGLE-SELECT loan_more</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>How would you change the quantities of %product% you trade after taking out additional loans?</p> <p>I Please read out the answer options and select as indicated by the respondent</p> <p>E loan_more==1</p>	<p>MULTI-SELECT loan_change_trade</p> <p>0001 <input type="checkbox"/> I would increase the quantity of product I sell in my town</p> <p>0002 <input type="checkbox"/> I would increase the quantity of product I sell to other towns</p> <p>0003 <input type="checkbox"/> I would increase the quantity I buy from my town</p> <p>0004 <input type="checkbox"/> I would increase the quantity I buy from other towns</p> <p>0005 <input type="checkbox"/> The quantity of product I sell will remain the same as now</p> <p>0006 <input type="checkbox"/> The quantity of product I buy will remain the same as now</p> <p>0007 <input type="checkbox"/> The quantity would not change</p> <p>1000 <input type="checkbox"/> Other (please specify)</p>
<p>Other - Please specify where how your trade would change</p> <p>E loan_change_trade.ContainsAny(1000)</p>	<p>TEXT loan_change_trade_other</p> <p>.....</p>

MODULE C: FINANCIAL ACCESS
SUPPLIER

E any_supplier==1	
<p>What is the most common method you use to pay your suppliers of %product%?</p> <p>I Please read out the options to the respondent and select his response.</p>	<p>SINGLE-SELECT suppliers_method</p> <p>0001 <input type="radio"/> Cash payments</p> <p>0002 <input type="radio"/> Bank wire payments (Direct bank deposit)</p> <p>0003 <input type="radio"/> Payment by cheque</p> <p>0004 <input type="radio"/> Mobile payments (M-PESA)</p> <p>0005 <input type="radio"/> Advanced payment</p> <p>0006 <input type="radio"/> Credit (Buy now pay later)</p> <p>0007 <input type="radio"/> In kind payment (barter)</p> <p>1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify your most common payment method to pay suppliers</p> <p>E suppliers_method==1000</p>	<p>TEXT supplier_method_other</p> <p>.....</p>
<p>If you could use any of the payment methods below, which one would you prefer to use to pay for %product%?</p> <p>I Read the options to the respondent and select the respondent's answer</p>	<p>SINGLE-SELECT suppliers_preferred</p> <p>0001 <input type="radio"/> Cash payments</p> <p>0002 <input type="radio"/> Bank wire payments (Direct bank deposit)</p> <p>0003 <input type="radio"/> Payment by cheque</p> <p>0004 <input type="radio"/> Mobile payments (M-PESA)</p> <p>0005 <input type="radio"/> Advance payment</p> <p>0006 <input type="radio"/> Buy now pay later (credit)</p> <p>0007 <input type="radio"/> In kind payment (barter)</p> <p>1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify preferred supplier</p>	<p>TEXT supplier_preferred_other</p>

payment method
E suppliers_preferred==1000	
<p>Please select the main reason for preferring %suppliers_preferred%</p> <p>I Do not read out the options to the respondent. Let me respond and confirm that his response fits with any in the list and select accordingly.</p>	<p>SINGLE-SELECT supplier_preferred_reason</p> <p>0001 <input type="radio"/> It is more secure than others</p> <p>0002 <input type="radio"/> Most traders use it</p> <p>0003 <input type="radio"/> It is the fastest method of payment</p> <p>0004 <input type="radio"/> It is the only method available here</p> <p>1000 <input type="radio"/> Other (Please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify the main reason for using %suppliers_preferred%</p> <p>E supplier_preferred_reason==1000</p>	<p>TEXT supplier_preferred_reason_other</p> <p>.....</p>
<p>How many suppliers let you buy on credit?</p> <p>I Please explain that credit means buying first and paying later</p>	<p>SINGLE-SELECT supplier_credit</p> <p>01 <input type="radio"/> None</p> <p>02 <input type="radio"/> Some</p> <p>03 <input type="radio"/> All</p>
<p>Compared to before December 2013, how has quantity of %product% you buy on credit changed?</p> <p>E supplier_credit.InList(2,3)</p>	<p>SINGLE-SELECT conflict_suppliercredit</p> <p>01 <input type="radio"/> Increase</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decreased</p> <p>-98 <input type="radio"/> Don't Know</p> <p>-99 <input type="radio"/> Refused to respond</p>
<p>Would you like to buy on credit?</p> <p>E supplier_credit==1</p>	<p>SINGLE-SELECT want to buy on credit</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

MODULE C: FINANCIAL ACCESS
BUYER

<p>What is the most common method your buyers use to pay you?</p> <p>I Please read the response options to the respondent and select his answer</p>	<p>SINGLE-SELECT buyers_method</p> <p>0001 <input type="radio"/> Cash payments</p> <p>0002 <input type="radio"/> Bank wire payments (Direct Bank Deposit)</p> <p>0003 <input type="radio"/> Payment by cheque</p> <p>0004 <input type="radio"/> Mobile payments (M-PESA)</p> <p>0005 <input type="radio"/> Advanced payment</p> <p>0006 <input type="radio"/> Buy now pay later (credit)</p> <p>0007 <input type="radio"/> In kind payment (barter)</p> <p>1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify buyer payment method</p> <p>E buyers_method==1000</p>	<p>TEXT buyers_method_other</p> <p>.....</p>
<p>If you could use any of the payment methods below, which one would you prefer your buyers to use to pay for %product%?</p> <p>I Please read response options to the respondent and select his answer</p>	<p>SINGLE-SELECT buyers_preferred</p> <p>0001 <input type="radio"/> Cash payments</p> <p>0002 <input type="radio"/> Bank wire payments (Direct Bank Deposit)</p> <p>0003 <input type="radio"/> Payment by cheque</p> <p>0004 <input type="radio"/> Mobile payments (M-PESA)</p> <p>0005 <input type="radio"/> Advance payment</p> <p>0006 <input type="radio"/> Buy now pay later (credit)</p>

	0007 <input type="radio"/> In kind payment (barter) 1000 <input type="radio"/> Other (please specify) -0098 <input type="radio"/> Don't know -0099 <input type="radio"/> Refused to respond
Other - please specify your preferred method of receiving payment from buyers E buyers_preferred==1000	TEXT buyers_preferred_other
Please select the main reason for preferring %buyers_preferred% I Do not read out the options to the respondent. Let me respond and confirm that his response fits with any in the list and select accordingly.	SINGLE-SELECT buyer_preferred_reason 0001 <input type="radio"/> It is more secure than others 0002 <input type="radio"/> Most traders use it 0003 <input type="radio"/> It is the fastest method of payment 0004 <input type="radio"/> It is the only method available here 1000 <input type="radio"/> Other (Please specify) -0098 <input type="radio"/> Don't know -0099 <input type="radio"/> Refused to respond
Other - please specify the main reason for using %suppliers_preferred% E buyer_preferred_reason==1000	TEXT buyer_preferred_reason_other
How many buyers buy on credit from you? I PLEASE EXPLAIN THAT CREDIT MEANS BUYING FIRST AND PAYING LATER	SINGLE-SELECT buyer_credit 01 <input type="radio"/> None 02 <input type="radio"/> Some 03 <input type="radio"/> All
Why do you not let buyers buy on credit? E buyer_credit==1	SINGLE-SELECT why_buyer_nocredit 0001 <input type="radio"/> Buyers have failed to pay me back in the past 0002 <input type="radio"/> Buyers prefer to pay in cash 0003 <input type="radio"/> I need the cash upfront 0004 <input type="radio"/> I don't trust them 1000 <input type="radio"/> Other (please specify) -0098 <input type="radio"/> Don't know -0099 <input type="radio"/> Refused to respond
Other - Please specify reason for not letting buyers buy on credit E why_buyer_nocredit==1000	TEXT why_buyer_nocreditother
Compared to before December 2013, how has the quantity of %product% you sell on credit changed? E buyer_credit.InList(2,3)	SINGLE-SELECT conflict_buyercredit 01 <input type="radio"/> Decreased 02 <input type="radio"/> No change 03 <input type="radio"/> Increased -98 <input type="radio"/> Don't know -99 <input type="radio"/> Refused to respond
Do you ever use any foreign currency for your trading business?	SINGLE-SELECT foreign 01 <input type="radio"/> Yes 00 <input type="radio"/> No

MODULE C: FINANCIAL ACCESS FOREIGN CURRENCY

E foreign==1	
What is the most common currency used by you besides the South Sudanese Pound (SSP)?	SINGLE-SELECT currency 0001 <input type="radio"/> Sudanese Pound

	0002 <input type="radio"/> US dollar 0003 <input type="radio"/> Ugandan Shilling 1000 <input type="radio"/> Other (please specify)
Other - please specify most common currency besides SSP E currency==1000	TEXT currency_other
In the last 6 months, how has your use of foreign currency changed?	SINGLE-SELECT foreign_freq 01 <input type="radio"/> Increased 02 <input type="radio"/> No change 03 <input type="radio"/> Decreased -98 <input type="radio"/> Don't know -99 <input type="radio"/> Refused to respond
In the past 6 months, how easy was it for you to get foreign currency?	SINGLE-SELECT foreign_access 01 <input type="radio"/> Very easy 02 <input type="radio"/> Easy 03 <input type="radio"/> Not easy -98 <input type="radio"/> Don't Know -99 <input type="radio"/> Refused to respond
Where do you mainly get your foreign currency? I Please read the response options to the respondent and select his answer	SINGLE-SELECT foreign_source 0001 <input type="radio"/> Bank 0002 <input type="radio"/> Money exchanger 0003 <input type="radio"/> Other local traders 0004 <input type="radio"/> Foreign traders 0005 <input type="radio"/> Traders association 0006 <input type="radio"/> Remittances 0007 <input type="radio"/> People exchanging on the street/open air market 1000 <input type="radio"/> Other (please specify) -0098 <input type="radio"/> Don't know -0099 <input type="radio"/> Refused to respond
Other - Please specify where you get your foreign currency E foreign_source==1000	TEXT foreign_source_other

MODULE D: INFORMATION ACCESS

STATIC TEXT

This is the beginning of Module D. In this module, I would like to ask you information related questions.

Are you a member of any trader's associations? I Please explain that a traders' association is an organization or group that was founded by trading businesses that operate in a specific industry.	SINGLE-SELECT trader_association 01 <input type="radio"/> Yes 00 <input type="radio"/> No
Would you like to be part of a trader's association? E trader_association==0	SINGLE-SELECT trader_association_interest 01 <input type="radio"/> Yes 00 <input type="radio"/> No -98 <input type="radio"/> Don't know

MODULE D: INFORMATION ACCESS TRADERS ASSOCIATION

E trader_association==1

<p>What has been the main benefit of being a member of a traders association?</p> <p>I Please select as indicated by the respondent</p>	<p>SINGLE-SELECT ta benefit</p> <p>0001 <input type="radio"/> I can find new buyers and sellers through networks in the association</p> <p>0002 <input type="radio"/> Share information</p> <p>0003 <input type="radio"/> Group lending</p> <p>0004 <input type="radio"/> Enhances your reputation</p> <p>0005 <input type="radio"/> Represent my trade issues to government</p> <p>0006 <input type="radio"/> Group insurance (risk sharing)</p> <p>1000 <input type="radio"/> Other (please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - Please specify the other main benefit of the traders association</p> <p>E ta_benefit==1000</p>	<p>TEXT ta_benefit_other</p> <p>.....</p>
<p>What is the best information you receive from the traders association?</p> <p>I Please select as indicated by the respondent</p>	<p>SINGLE-SELECT ta info benefit</p> <p>0001 <input type="radio"/> Quantity demand in different markets</p> <p>0002 <input type="radio"/> Prices of product in different markets</p> <p>0004 <input type="radio"/> Political climate in the country</p> <p>0005 <input type="radio"/> Expertise from other traders on best practices</p> <p>0006 <input type="radio"/> Travel routes</p> <p>0007 <input type="radio"/> Weather and harvest information in different towns</p> <p>1000 <input type="radio"/> Other (Please specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
<p>Other - please specify the best information you receive</p> <p>E ta_info_benefit==1000</p>	<p>TEXT ta_info_benefit_other</p> <p>.....</p>
<p>Do you look for information on prices of %product% in different towns?</p>	<p>SINGLE-SELECT priceinfo</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

MODULE D: INFORMATION ACCESS

PRICE INFORMATION

E priceinfo==1

<p>In the past 90 days (3 months), how did you get information on prices of %product% in the towns you operate in?</p>	<p>MULTI-SELECT info_source_price</p> <p>0001 <input type="checkbox"/> Trader association</p> <p>0002 <input type="checkbox"/> Media - newspaper/radio/television</p> <p>0003 <input type="checkbox"/> Personally visiting markets in the towns</p> <p>0004 <input type="checkbox"/> Phone calls</p> <p>0005 <input type="checkbox"/> Word of mouth</p> <p>0006 <input type="checkbox"/> Internet</p> <p>1000 <input type="checkbox"/> Other (Please specify)</p> <p>-0098 <input type="checkbox"/> Don't know</p> <p>-0099 <input type="checkbox"/> Refused to respond</p>
<p>Other - please specify source of information on price of %product% in the past 90 days (3 months).</p>	<p>TEXT info_source_other</p> <p>.....</p>

E info_source_price.ContainsAny(1000)	
In the past 90 days (3 months), how many phone calls have you made to obtain information on prices of %product% in other towns?	<p>NUMERIC: INTEGER information_conversation</p> <p>-----</p>
E info_source_price.ContainsAny(4)	
V1 self.InRange(1,100)	
M1 Number too high or cannot be 0, please ask respondent to adjust	
In the past 90 days (3 months), how many round trips to markets have you made to obtain information on price of %product% in other towns?	<p>NUMERIC: INTEGER information_trips</p> <p>-----</p>
E info_source_price.ContainsAny(3)	
V1 self.InRange(1,20)	
M1 Number too high or cannot be 0, please ask respondent to adjust.	
If you had access to a price information center in %town%, how would you change the way you look for information on prices?	<p>SINGLE-SELECT info_service_station</p> <p>0001 <input type="radio"/> Not change anything</p> <p>0002 <input type="radio"/> Reduce the number of visits I make to markets to get price information</p> <p>0003 <input type="radio"/> Reduce phone calls I make to ask about prices in other markets</p> <p>1000 <input type="radio"/> Other (Please Specify)</p> <p>-0098 <input type="radio"/> Don't know</p> <p>-0099 <input type="radio"/> Refused to respond</p>
Other - please specify how access to a price information center in %town% would change how you obtain price information	<p>TEXT info_service_station_other</p> <p>-----</p>
E info_service_station==1000	
How would you change the number of trips you make to %buying_market% if the price of %product% is lower there?	<p>SINGLE-SELECT change_trade_buy</p> <p>01 <input type="radio"/> Increase</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decrease</p> <p>-98 <input type="radio"/> Don't know</p> <p>-99 <input type="radio"/> Refused to respond</p>
How would you change the number of trips you make to %selling_market% if the price of %product% is lower there?	<p>SINGLE-SELECT change_trade_sell</p> <p>01 <input type="radio"/> Increase</p> <p>02 <input type="radio"/> No change</p> <p>03 <input type="radio"/> Decrease</p> <p>-98 <input type="radio"/> Don't know</p> <p>-99 <input type="radio"/> Refused to respond</p>
E buying_market!=selling_market	

MODULE D: INFORMATION ACCESS MARKET ENTRY

Are you interested in selling in markets other than %selling_market%?	<p>SINGLE-SELECT New_Selling_Markets</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
What is the main information you would need for you to start selling in other markets?	<p>SINGLE-SELECT New_SellingMarkets_Info</p> <p>0001 <input type="radio"/> Information about the prices in the other markets</p> <p>0002 <input type="radio"/> Information about the number of consumers in the other markets</p>
I Do not read the response options to the respondent. Let him give you his response and then you select the one that best fits with his response.	
E New_Selling_Markets==1	

	0003 <input type="radio"/> Information about the number of traders in the other markets 0004 <input type="radio"/> Information about the type of product demanded in the other markets 0005 <input type="radio"/> Information about security situation in the other markets 1000 <input type="radio"/> Other (Please Specify) -0098 <input type="radio"/> Don't know -0099 <input type="radio"/> Refused to respond
Other - please specify the main information you need to start selling in new markets E New_SellingMarkets_Info==1000	TEXT New_SellingMarkets_Info_Other
Are you interested in buying in markets other than %buying_market%? E buying_market!=selling_market	SINGLE-SELECT New_Buying_Markets 01 <input type="radio"/> Yes 00 <input type="radio"/> No
What is the main information you would need for you to start buying from other markets? E New_Buying_Markets==1	SINGLE-SELECT New_BuyingMarkets_Info 0001 <input type="radio"/> Information about prices in the other markets 0002 <input type="radio"/> information about the number of suppliers in the other markets 0003 <input type="radio"/> Information about the number of traders in other markets 0004 <input type="radio"/> Information about security situation in other markets 1000 <input type="radio"/> Other (Please Specify) -0098 <input type="radio"/> Don't know -0099 <input type="radio"/> Refused to respond
Other - please specify the main information you need to start selling in new markets E New_BuyingMarkets_Info==1000	TEXT New_BuyingMarkets_Info_Other
Do you look for information on trade route barriers? 	SINGLE-SELECT routeinfo 01 <input type="radio"/> Yes 00 <input type="radio"/> No

MODULE D: INFORMATION ACCESS
TRADE ROUTE INFORMATION

E routeinfo==1	
How do you usually get information on safety conditions along trade routes? 	MULTI-SELECT info_source_trade 0001 <input type="checkbox"/> Traders association 0002 <input type="checkbox"/> Media - newspaper/radio/television 0003 <input type="checkbox"/> Phone calls 0004 <input type="checkbox"/> Word of mouth 0005 <input type="checkbox"/> Internet 1000 <input type="checkbox"/> Other (please specify) -0098 <input type="checkbox"/> Don't know -0099 <input type="checkbox"/> Refused to respond
Other - How do you usually get information on safety conditions along trade routes? E info_source_trade.ContainsAny(1000)	TEXT info_source_trader_other
How many calls have you made in the past	NUMERIC: INTEGER info_conversation_trade

month to obtain information on trade routes? E info_source_trade.ContainsAny(3)	-----
How frequently did you use the internet to obtain information on trade routes in the past month? E info_source_trade.ContainsAny(5)	<p>SINGLE-SELECT internet_number_trade</p> <p>01 <input type="radio"/> Daily</p> <p>02 <input type="radio"/> Twice a week</p> <p>03 <input type="radio"/> Once a week</p> <p>04 <input type="radio"/> Once a month</p> <p>05 <input type="radio"/> Didn't use it in the past month</p> <p>-98 <input type="radio"/> Don't know</p> <p>-99 <input type="radio"/> Refused to respond</p>

MODULE E: END OF INTERVIEW

Does anyone at your business have a phone number? E contact_phone_yn==1	<p>SINGLE-SELECT contact_phone_yn</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
Is it OK if we use the phone number in case we need to do any follow up? It will only be used by the Market Linkages Team to call you for data verification. E contact_phone_yn==1	<p>SINGLE-SELECT contact_phone_share</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-98 <input type="radio"/> Don't know</p>
As part of this project, we would like to ask traders to give a short video statement talking about the main trade barriers they face. Would you like to give a video testimonial and share something about problems faced by your trading business?	<p>SINGLE-SELECT testimonial</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
Thank you. Before we begin: Do you agree to be filmed knowing that this footage will be published on a website on the internet on behalf of the World Bank? E testimonial==1	<p>SINGLE-SELECT testimonial_consent</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>STATIC TEXT</p> <p>E testimonial_consent==1</p> <p><i>Please ask the respondent to reflect on the most important issues faced with transportation, storage, financial, and information. Basically regarding the interview that was just completed. They have 5 minutes to talk about what has been a big trade barrier from the questions you asked. After these 5 minutes, ask the traders to talk about other important trade/logistical problems faced by their business not covered by this questionnaire.</i></p>	
You gave us your phone number. Are you willing to share this number with international Aid agencies like the World Bank and UN?	<p>SINGLE-SELECT share_phone_agencies</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>STATIC TEXT</p> <p><i>Now please thank the respondent for their time, and complete Module F.</i></p>	
Earlier the GPS did not work again. Please try again. E !IsAnswered(loc)	<p>GPS loc_end</p> <p>-----</p> <p>N</p> <p>-----</p> <p>W</p> <p>-----</p> <p>A</p>

STATIC TEXT

The accuracy is above 25m. Please go back and try again for better accuracy

Please confirm that the GPS still does not work.

F !IsAnswered(loc_end)

SINGLE-SELECT

loc check end

- 01 ☐ Yes
00 ☐ No

MODULE F: ENUMERATOR FEEDBACK

During which visit was the interview successful?

SINGLE-SELECT

success_interview

- 01 ☐ First visit
02 ☐ Second visit
03 ☐ Third visit

Did you ask all questions to the same main respondent?

SINGLE-SELECT

same_respondent

- 01 ☐ Yes
00 ☐ No

Did the respondent ask others to assist in responding to questions?

SINGLE-SELECT

respondent_multi

- 01 ☐ Yes
00 ☐ No

How do you (enumerator) describe the respondent's attitude toward you during the interview?

SINGLE-SELECT

respondent attitude

- 01 ☐ Friendly
02 ☐ Neutral
03 ☐ Defiant
04 ☐ Confused
05 ☐ Hostile

Were there any sections in which the respondent had difficulty understanding the questions?

SINGLE-SELECT

respondent q

- 01 ☐ Yes
00 ☐ No

Which sections did the respondent have considerable difficulty understanding questions?

E respondent_q==1

MULTI-SELECT

respondent q section

- 1000 ☐ All modules
0000 ☐ Module 1: Introduction
0001 ☐ Module 2: Basic trader information
0002 ☐ Module A: Transport barriers
0003 ☐ Module B: Storage barriers
0004 ☐ Module C: Financial access
0005 ☐ Module D: Information access
0006 ☐ Module E: End of interview

Please type any other comments here.

TEXT

enum comments

When you are finished, end the module by pressing 'Tab to record current time'

DATE: CURRENT TIME

end time

APPENDIX A — INSTRUCTIONS

[1] **business_years:** How many years have you been working for this business?

This is just an estimate, ask the respondent to give a whole number. If less than 1 year please enter '0' here and ask for number of months using the next questions and record the number of months. If the respondent answers with, for example, 1 year plus 6 months, please record 1 year in this question and the 6 months in the next question.

[2] **buyer_types:** Please specify the kind of buyers you sell %product% to.

Do not read out all instructions. Let the respondent indicate and choose accordingly. Also explain that a wholesaler is a middleman who does not produce goods by themselves or sell directly to consumers.

[3] **buytraveltime_days:** Number of days

Write 0 if the time taken is less than a day. Record the time in hours and minutes in the following questions. If more than a day, write the number of days here and if there are additional hours and days write them in the subsequent questions. Eg: if respondent says 1.5 days, please type in 1 in days and 12 in hours and 0 in minutes.

[4] **buyroute_barrier:** In your opinion, what are the three most important transport barriers on the route to %buying_market%?

Do not read out all the responses. Let the respondent respond and chose accordingly. Inform the trader that 'importance' refers to the factor that has reduced travel to the market the most. 'Poor road condition' refers to reasons such as roads washed away by rain, roads with potholes and generally roads that can damage vehicle due to their state. 'High Taxes' refer to money collected on the way by legitimate government agents or fees paid on the way to bribe agents. You must select the most important factor first, then second most important and then third most important.

[5] **buyalroute_barrier:** In your opinion, what is the most important transport problem using this alternative way to %buying_market%?

Do not read out all the responses. Let the respondent respond and chose accordingly. Inform the trader that 'importance' refers to the factor that has reduced travel to the market the most. 'Poor road condition' refers to reasons such as roads washed away by rain, roads with potholes, and generally roads that can damage vehicle due to their state. 'High Taxes' refer to money collected on the way by legitimate government agents or fees paid on the way to bribe agents.

[6] **stop_buying:** Please select the three main reasons you stopped buying from towns outside %town%?

Please select as indicated by the respondent. This is a ranked response, so the first one you select must be the most important reason, the second the second most important reason and the third the third most important reason.

[7] **nooutside_buying:** Please specify the three main reasons you don't buy from other towns besides %town%

Please select as indicated by the respondent. This is a ranked response, so the first one you select must be the most important reason, the second the second most important reason and the third the third most important reason.

[8] **selltraveltime_days:** Number of days

Write 0 if the time taken is less than a day. Record the time in hours and minutes in the following questions. If more than a day, write the number of days here and if there are additional hours and days write them in the subsequent questions. Eg: if respondent says 1.5 days, please type in 1 in days and 12 in hours and 0 in minutes.

[9] **sellroute_barrier:** In your opinion, what are the three most important transport problems on the route to %selling_market%?

Do not read out all the responses. Let the respondent respond and chose accordingly. Inform the trader that 'importance' refers to the factor that has reduced travel to the market the most. 'Poor road condition' refers to reasons such as roads washed away by rain, roads with potholes and generally roads that can damage vehicle due to their state. 'High Taxes' refer to money collected on the way by legitimate government agents or fees paid on the way to bribe agents. You must select the most important factor first, then second most important and then third most important..

[10] **sellalroute_barrier:** In your opinion, what is the most important transport problem using the alternative way to %selling_market%?

Do not read out all the responses. Let the respondent respond and chose accordingly. Inform the trader that 'importance' refers to the factor that has reduced travel to the market the most. 'Poor road condition' refers to roads washed away by rain, roads with potholes and generally roads that can damage vehicle due to their state. 'High Taxes' refer to money collected on the way by legitimate government agents or fees paid on the way to bribe agents.

[11] **stop_selling:** Please specify the three main reasons you stopped selling to towns outside %town%?

Please select as indicated by the respondent. This is a ranked response, so the first one you select must be the most important reason, the second the second most important reason and the third the third most important reason.

[12] **nooutside_selling:** Please specify the three main reasons you don't sell to other towns besides %town%

Please select as indicated by the respondent. This is a ranked response, so the first one you select must be the most important reason, the second the second most important reason and the third the third most important reason.

[13] **postharvest_sell:** Are you able to sell %product% in %town% after the post-harvest season?

Post-harvest season refer to the stage of crop production immediately following harvest. Generally during the post-harvest period there is a lot of supply but after post-harvest not a lot. This question is asking if the trader sells after the period of harvest is over.

[14] **postharvest_sell2:** Are you able to sell %product% in %selling_market% after the post-harvest season?

Post-harvest season refer to the stage of crop production immediately following harvest. Generally during the post-harvest period there is a lot of supply but after post-harvest not a lot. This question is asking if the trader sells after the period of harvest is over.

APPENDIX B — OPTIONS

[1] [interview_num](#): Interview Number

Options: 1:1, 2:2, 3:3, 4:4, 5:5, 6:6, 7:7, 8:8, 9:9, 10:10, 11:11, 12:12, 13:13, 14:14, 15:15, 16:16, 17:17, 18:18, 19:19, 20:20, 21:21, 22:22, 23:23, 24:24, 25:25, 26:26, 27:27, 28:28, 29:29, 30:30, 31:31, 32:32, 33:33, 34:34, 35:35, 36:36, 37:37, 38:38, 39:39, 40:40, 41:41, 42:42, 43:43, 44:44, 45:45, 46:46, 47:47, 48:48, 49:49, 50:50,

[2] [allmarkets_buy](#): In the past 6 months, which of the following towns did you buy %product% from?

Options: 1:Aweil, 2:Juba, 3:Yambio, 4:Rumbek, 5:Torit, 6:Wau, 7:Kuajok, 8:Tonj South, 9:Yei, 10:Magwi, 11:Maridi, 12:Bor Town, 13:Raga, 14:Aweil North, 15:Rumbek East, 16:Nimule, 17:Uganda, 18:Kenya, 19:Sudan, 20:Morobo, 21:Bentiu, 22:Malakal, 23:Kapoeta,

[3] [allmarkets_sell](#): In the past 6 months, which of the following towns did you sell %product% to?

Options: 1:Aweil, 2:Juba, 3:Yambio, 4:Rumbek, 5:Torit, 6:Wau, 7:Kuajok, 8:Tonj South, 9:Yei, 10:Magwi, 11:Maridi, 12:Bor Town, 13:Raga, 14:Aweil North, 15:Rumbek East, 16:Nimule, 17:Uganda, 18:Kenya, 19:Sudan, 20:Morobo, 21:Bentiu, 22:Malakal, 23:Kapoeta,

Legend and structure of information in this file

Name of section	Enabling condition for this section	Type of question, scope	Variable name
SECTION 5: OTHER INCOME SOURCES			
E s4_other_sources_which.Contains(98)			
Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur?		MULTI-SELECT SCOPE: PREFILLED	s4_re1_leaders_other
I This refers to family relations E s3_time_other > 0 V1 s4_re1_leaders_which.Contains(98) M1 Can not be itself V2 (s3_time_other_breeding_advice <= (50 - s3_time_art_insem_advice)) s3_time_other_breeding_advice == 0 M2 This person is not in the list F optioncode != s5_ignored_option_code		01 <input type="checkbox"/> Community animal health workers 02 <input type="checkbox"/> Private 03 <input type="checkbox"/> Government 04 <input type="checkbox"/> Livestock keepers association 05 <input type="checkbox"/> NGO And 5 other [13]	
Additional information: "I" – Question instruction "E" – Enabling condition "V1" – Validation condition №1 "M1" – Message for validation №1 "F" – Filter in Categorical questions		Link to full set in appendix	

Breadcrumbs
CHAPTER 3 IDENTIFICATION / Roster: LEADER RELATION DETAILS generated by fixed list:
01 Ward Livestock Officer 02 Village Livestock Officer 99 Other (specify)
List items