

Lecture 9

PAI 705

Survey Research

- Surveys can be used for descriptive, exploratory, and explanatory purposes.
- We have respondents / informants. These are the units that provide the responses.
 - What are they responding to?
 - Questions on a questionnaire.
 - A questionnaire is a document / program containing questions and other types of items to elicit information from a respondent.
 - Items on a questionnaire may be questions, ending in a question mark, or statements.
- Questions.
 - Open ended questions. The respondent responds with his or her own words to provide an answer.
 - Closed ended questions. The respondent selects from a list of predetermined responses to the question to provide an answer.

On a scale of 1 to 5, rank how resilient your household is compared to other households in the community, where 1 is least resilient and 5 is most resilient. That is close ended.

If the respondent answered 4 or 5, ask them what explains their relatively high level of resilience.

If they answered 3, ask what explains why they are relatively average in terms of resilience.

If they answered 1 or 2, ask them to explain their relatively low level of resilience.

These follow up questions would be open ended.

Open ended are good for getting people to express in their own words responses to questions. They are a problem to code after. Also, in coding you often go ahead and make them fit into bins constructed *ex post*.

a) Has the introduction of cell phones changed how you obtain information about prices in livestock markets ?

If yes, how ? (raw material)

Excellent tool of commercialization and for opening up, a reliable asset

I'm isolated, with no signal sometimes. But often, once I'm in Djenne, I can communicate

To multiply contacts, set up appointments with clients at a precise time

I see that children of the new generation are too busy with business, the cell phone gives power to decide

If no, why do you think there has been no change? (after filtering)

Why do you think cell phones have not changed the way of marketing?

The issue is that they don't see a need for market information	36%	I don't need info to sell animals	17%
		I sell when I have needs	11%
		I am not a livestock trader	6%
		I don't sell my animals in livestock markets	1%
		I only sell animals in my local market	1%
The issue is the cell phone and cell phone network	57%	No network	28%
		Don't have a phone	18%
		Don't know enough about cell phones	5%
		Cell phones are too expensive	4%
		Cell phones are for the youth	2%
The issue is no animals or sales	2%	I don't have animals to sell	1%
		I have not sold animals since the time cell phones came.	1%
Other	5%	Other reasons	5%

- Questions need to be clear. What *ex ante* risk reduction strategies have you integrated into your livelihood strategy to reduce vulnerability? This is hard to understand. How can it be expressed more simply?
- Questions need to be single barreled.
 - Double barreled: Do you agree that your resilience is below the average in your community because traders pay low prices for livestock in local markets? Y N
 - There are two things here.
 - One, do you agree your resilience is lower than average (question one; one barrel).
 - Two, why is your resilience lower than average (question two, is it because of the low prices traders pay in local markets?)
 - Problems arise; I think my resilience is below average but because my fields have low fertility, and not due to traders. So my answer pattern is Y to question 1 and N to question 2, but you only give one choice.
 - Or my resilience is above average and I think that the traders pay low prices for animals so I am no to one and yes to two.
- Questions should not be leading. The main cause of a lack of resilience in this community is poor leadership from the local authorities, right? Y N
 - You can be this provocative, but you need to be self-aware in doing this and not treat it as if the person came up with answers on their own.
- Question responses, if close ended, must be exhaustive.

- How much do you have in your bank account currently?
 - Less than \$50
 - More than \$50 but less than \$200
 - More than \$500 but less than \$1000
- We often use “other” as a final category to allow for something we may have overlooked.
- Respondents must be capable of answering. How much does the USG spend of foreign assistance?
 - Asked to estimate how much of the federal budget goes to foreign aid the median estimate is 25 percent.
 - Asked how much they thought would be an "appropriate" percentage the median response is 10 percent.
 - In fact just 1 percent of the federal budget goes to foreign aid.

<http://worldpublicopinion.net/american-public-vastly-overestimates-amount-of-u-s-foreign-aid/>

- Respondents must be willing to answer.
 - Explain how you diverted funds from the school building contract to build your own house?

- Questions should be relevant.
- Short questions are better. Long complicated questions are bad.
 - What follows is the most complicated question I have been guilty of putting on a survey.

File: *ebasehead10.xls* (Ethiopia) and *basehead10.xls* (Kenya)

28) Tell me the following about the water points you used for your animals **kept at your base camp during the drought year of 1992-1993** (Past year as defined in questions 25-26)

E6) Tell me the following about the water points you used for your animals kept at your base camp during the drought year of 1992-1993 (Past year as defined in questions 23-26)									
	Name of water point (write in name from matching number in table 31)	# of each type of animal using this water point (if none of this type, leave blank)	Did you ask permission to use this water point? B92PERM1 (circle one)	If no, go to next water point in list. If yes, tell me who granted permission and continue across (circle as many as apply)	What is your relationship to this person? B92REL (circle one. If more than one, circle closest)	What did you have to give this person? (circle as many as apply)	What reasons, if any, did you tell this person justified your use of this water point? (circle as many as apply, none if none apply)	Were there limits regarding use agreed to? (circle as many as apply)	Why did you stop using this water point? (circle as many as apply, none if still using water point)
1	B92PT1	Male camels and dry female camels # B92DCAM1 Wet female camels # B92WCAM1 Male cattle and dry female cattle # B92DCAT1 Wet female cattle # B92WCAT1 Dry smallstock # B92DSS1 Wet smallstock # B92WSS1	Y N	Water order manager B92WOM1 Well manager B92WM1 Chief B92PCH1 Other: Gov. Official B92PGO1 Elders B92EL1 Other: B92OT1	None Father's family Mother's family Wife's family Tribesman Other:	Nothing B92GNOT1 Cash B92GCAS1 Animals B92GANI1 Labor B92GLAB1 Other: B92GOT1	Family/ Tribe relation B92RFTR1 Insecurity your area B92RINY1 No pasture your area B92RNPPY1 No water your area B92RNWY1 Disease your area B92RDIY1 Past favor B92RPAF1 Other: B92ROT1	None B92LNON1 # times B92LTIM1 Days B92LDAY1 # animals B92LNAN1 Type animal B92LTAN1 Pasture areas B92LPAS1 Other: B92LOT1	Asked to leave B92STAL1 Water finished B92STWF1 Pasture finished B92STPF1 Disease B92STDI1 Insecurity B92STIN1 Rains fell B92STRF1 Other: B92STOT1
2	B92PT2	Male camels and dry female camels # B92DCAM2 Wet female camels # B92WCAM2 Male cattle and dry female cattle # B92DCAT2 Wet female cattle # B92WCAT2 Dry smallstock # B92DSS2 Wet smallstock # B92WSS2	Y N	Water order manager B92WOM2 Well manager B92WM2 Chief B92PCH2 Other: Gov. Official B92PGO2 Elders B92EL2 Other: B92POT2	None Father's family Mother's family Wife's family Tribesman Other:	Nothing B92GNOT2 Cash B92GCAS2 Animals B92GANI2 Labor B92GLAB2 Other: B92GOT2	Family/ Tribe relation B92RFTR2 Insecurity your area B92RINY2 No pasture your area B92RNPPY2 No water your area B92RNWY2 Disease your area B92RDIY2 Past favor B92RPAF2 Other: B92ROT2	None B92LNON2 # times B92LTIM2 Days B92LDAY2 # animals B92LNAN2 Type animal B92LTAN2 Pasture areas B92LPAS2 Other: B92LOT2	Asked to leave B92STAL2 Water finished B92STWF2 Pasture finished B92STPF2 Disease B92STDI2 Insecurity B92STIN2 Rains fell B92STRF2 Other: B92STOT2
3	B92PT3	Male camels and dry female camels # B92DCAM3 Wet female camels # B92WCAM3 Male cattle and dry female cattle # B92DCAT3 Wet female cattle # B92WCAT3 Dry smallstock # B92DSS3 Wet smallstock # B92WSS3	Y N	Water order manager B92WOM3 Well manager B92WM3 Chief B92PCH3 Other: Gov. Official B92PGO3 Elders B92EL3 Other: B92POT3	None Father's family Mother's family Wife's family Tribesman Other:	Nothing B92GNOT3 Cash B92GCAS3 Animals B92GANI3 Labor B92GLAB3 Other: B92GOT3	Family/ Tribe relation B92RFTR3 Insecurity your area B92RINY3 No pasture your area B92RNPPY3 No water your area B92RNWY3 Disease your area B92RDIY3 Past favor B92RPAF3 Other: B92ROT3	None B92LNON3 # times B92LTIM3 Days B92LDAY3 # animals B92LNAN3 Type animal B92LTAN3 Pasture areas B92LPAS3 Other: B92LOT3	Asked to leave B92STAL3 Water finished B92STWF3 Pasture finished B92STPF3 Disease B92STDI3 Insecurity B92STIN3 Rains fell B92STRF3 Other: B92STOT3
4	B92PT4	Male camels and dry female camels # B92DCAM4 Wet female camels # B92WCAM4 Male cattle and dry female cattle # B92DCAT4 Wet female cattle # B92WCAT4 Dry smallstock # B92DSS4 Wet smallstock # B92WSS4	Y N	Water order manager B92WOM4 Well manager B92WM4 Chief B92PCH4 Other: Gov. Official B92PGO4 Elders B92EL4 Other: B92POT4	None Father's family Mother's family Wife's family Tribesman Other:	Nothing B92GNOT4 Cash B92GCAS4 Animals B92GANI4 Labor B92GLAB4 Other: B92GOT4	Family/ Tribe relation B92RFTR4 Insecurity your area B92RINY4 No pasture your area B92RNPPY4 No water your area B92RNWY4 Disease your area B92RDIY4 Past favor B92RPAF4 Other: B92ROT4	None B92LNON4 # times B92LTIM4 Days B92LDAY4 # animals B92LNAN4 Type animal B92LTAN4 Pasture areas B92LPAS4 Other: B92LOT4	Asked to leave B92STAL4 Water finished B92STWF4 Pasture finished B92STPF4 Disease B92STDI4 Insecurity B92STIN4 Rains fell B92STRF4 Other: B92STOT4
5	B92PT5	Male camels and dry female camels # B92DCAM5 Wet female camels # B92WCAM5 Male cattle and dry female cattle # B92DCAT5 Wet female cattle # B92WCAT5 Dry smallstock # B92DSS5 Wet smallstock # B92WSS5	Y N	Water order manager B92WOM5 Well manager B92WM5 Chief B92PCH5 Other: Gov. Official B92PGO5 Elders B92EL5 Other: B92POT5	None Father's family Mother's family Wife's family Tribesman Other:	Nothing B92GNOT5 Cash B92GCAS5 Animals B92GANI5 Labor B92GLAB5 Other: B92GOT5	Family/ Tribe relation B92RFTR5 Insecurity your area B92RINY5 No pasture your area B92RNPPY5 No water your area B92RNWY5 Disease your area B92RDIY5 Past favor B92RPAF5 Other: B92ROT5	None B92LNON5 # times B92LTIM5 Days B92LDAY5 # animals B92LNAN5 Type animal B92LTAN5 Pasture areas B92LPAS5 Other: B92LOT5	Asked to leave B92STAL5 Water finished B92STWF5 Pasture finished B92STPF5 Disease B92STDI5 Insecurity B92STIN5 Rains fell B92STRF5 Other: B92STOT5

Avoid negatives and multiple negatives in particular

- Do you agree or disagree that the United States should not recognize Cuba?
- Which of the following are not reasons you will not emigrate in 2024?
 - Climate Change
 - Travel Ban
 - Like Poutine
 - Raptors fan
- Of the following shocks, which ones have not negatively impacted your household's resilience in the past 12 months?

Avoid biased wording



LEGISLATIVE QUESTIONNAIRE

Deputy Majority Leader

JOHN A. DeFRANCISCO

50th Senate District



LEGISLATIVE QUESTIONNAIRE

Your Opinion Counts!

Many of these issues are likely to come before the State Legislature in 2016. Your feedback will help me best represent the residents and business owners of Central New York.

Please fill out and return the questionnaire below OR complete it online at www.defrancisco.nysenate.gov. Thank you for taking the time to share your opinions with me.

1. NEW YORK STATE HAS A TAX CAP THAT LIMITS PROPERTY TAX INCREASES TO TWO PERCENT OR LESS, BUT THIS CAP IS NOT PERMANENT. DO YOU SUPPORT MAKING THIS PROPERTY TAX CAP PERMANENT?

☐ Yes ☐ No ☐ Undecided

2. DO YOU THINK NEW YORK STATE SHOULD USE TAXPAYER MONEY TO FUND POLITICAL CAMPAIGNS?

☐ Yes ☐ No ☐ Undecided

3. THE GAP ELIMINATION ADJUSTMENT (GEA) HAS COST LOCAL SCHOOL DISTRICTS MILLIONS OF DOLLARS IN LOST STATE AID. DO YOU THINK A COMPLETE REPEAL OF THE GEA SHOULD BE A PRIORITY IN THE NEXT STATE BUDGET?

☐ Yes ☐ No ☐ Undecided

4. THE "NEW YORK DREAM ACT" HAS BEEN PROPOSED IN THE STATE LEGISLATURE. UNDER THIS MEASURE, CERTAIN ILLEGAL IMMIGRANTS WOULD BE ELIGIBLE FOR STATE FINANCIAL AID FOR HIGHER EDUCATION. DO YOU SUPPORT OR OPPOSE THIS PROPOSAL?

☐ Support ☐ Oppose ☐ Undecided

5. DO YOU SUPPORT ALLOWING PRISON INMATES TO TAKE FREE COLLEGE COURSES AT TAXPAYER EXPENSE?

☐ Yes ☐ No ☐ Undecided

6. THE "NEW YORK IS HOME ACT" IS A MEASURE THAT HAS BEEN INTRODUCED IN THE STATE LEGISLATURE THAT WOULD ALLOW ILLEGAL IMMIGRANTS TO VOTE, RUN FOR PUBLIC OFFICE, AND RECEIVE CERTAIN BENEFITS. DO YOU SUPPORT OR OPPOSE THIS PROPOSAL?

☐ Support ☐ Oppose ☐ Undecided

7. AS OF JANUARY 1, 2016, NEW YORK'S MINIMUM WAGE WILL BE \$9.00 AN HOUR. THE GOVERNOR HAS ANNOUNCED THAT HE WILL GRADUALLY INCREASE THE MINIMUM WAGE TO \$15.00 AN HOUR ONLY FOR FAST FOOD WORKERS AND STATE EMPLOYEES BY JULY 1, 2021, STATEWIDE. DO YOU SUPPORT OR OPPOSE INCREASING THE MINIMUM WAGE TO \$15 AN HOUR?

☐ Support ☐ Oppose ☐ Undecided

8. DO YOU SUPPORT OR OPPOSE THE GOVERNOR'S UNILATERAL DECISION TO INCREASE THE MINIMUM WAGE TO \$15 AN HOUR?

☐ Support ☐ Oppose ☐ Undecided

9. DO YOU SUPPORT MY LEGISLATION THAT WOULD REQUIRE A COST-BENEFIT ANALYSIS OF THE GOVERNOR'S ENERGY REFORM INITIATIVE, KNOWN AS REV, BEFORE THE PROPOSAL IS IMPLEMENTED?

☐ Yes ☐ No ☐ Undecided

10. NEW YORK'S ATTORNEY GENERAL RECENTLY ORDERED THE TWO LARGEST DAILY FANTASY SPORTS COMPANIES TO STOP ACCEPTING BETS IN THE STATE BECAUSE THIS GAMING CONSTITUTES ILLEGAL GAMBLING. OTHERS ARGUE IT IS A GAME OF SKILL, AND THEREFORE LEGAL UNDER STATE LAW. DO YOU THINK FANTASY SPORTS GAMING SHOULD BE ALLOWED IN NEW YORK?

☐ Yes ☐ No ☐ Undecided

11. HOW WOULD YOU RATE MY PERFORMANCE AS YOUR STATE SENATOR? PLEASE SELECT A NUMBER ON A SCALE OF 1 to 10, WITH 10 BEING THE HIGHEST.

☒ 1-3 ☒ 4-6 ☒ 7-10

12. PLEASE SHARE ANY ADDITIONAL COMMENTS WITH ME.

Please enclose the completed questionnaire in the return envelope, place a stamp on the envelope, and put in the mail OR visit www.defrancisco.nysenate.gov to fill out the legislative survey online. Thank you, again, for your participation.

Spacing is critical.

- It is tempting to put as much on the page as possible.
- Formatting needs to leave enough space.
 - Name _____
 - Names of all your children
- Smaller font is not a shorter question
 - How do you feel about having to answer a really complicated question when it is all squashed into a very tiny space?
Answer on a scale of 1 to 5 where 1 is really annoyed and 5 is really happy? 1 2 3 4 5
- If quiet. t lng dnt try short. by b. abbrev. cz it mks impos. t rd.

Use clear directions on contingent responses / skip boxes.

39) Do you **currently have a bank account?** Y N
if yes, is your current balance (circle)

- a. < 7,000 Ksh / 800 Birr
- b. between 7,000 Ksh and 17,500 Ksh / 800 Birr and 2000 Birr
- c. between 17,500 Ksh and 35,000 Ksh / 2000 Birr and 4000 Birr
- d. > 35,000 Ksh / 4000 Birr

(15.06)	(15.07)	(15.08)	(15.09)	(15.10)	(15.11)	(15.12)	(15.13)	(15.14)
<p>Have you ever heard about Livestock Insurance?</p> <p>1. Yes 2. No (skip to 15.10)</p>	<p>How did you find out about Livestock Insurance?</p> <p>1. at community barazza 2. from relatives, friends, or neighbors 3. from a government officer 4. from an NGO staff 5. from Equity Bank 6. involved in the study introducing Livestock Insurance 7. from network groups 97. other (specify)</p>	<p>If Kenyan insurance company offers livestock insurance in your area using Equity bank's facility, would you purchase Livestock Insurance?</p> <p>1. Yes (skip to 15.10)) 2. No 98. Don't know yet</p>	<p>If no, why not?</p> <p>1. Do not own any livestock 2. can't afford 3. don't trust any insurance companies 4. can rely on family and friends 5. can rely on other persons / services (specify) 97. other (specify)</p>	<p>Have you ever heard about the Huger Safety Net Programme (HSNP), the cash transfer run by CARE?</p> <p>1. Yes 2. No (skip to Section 16)</p>	<p>If yes, how did your household find out about the program?</p> <p>1. at community barazza 2. from relatives, friends, or neighbors 3. from a government officer 4. from an NGO staff 5. from Equity Bank 97. other (specify)</p>	<p>Are you or anyone in your household a recipient of the program?</p> <p>1. Yes 2. No (skip to Section 16)</p>	<p>If yes, how much does your household receive per transfer (KSh)?</p> <p>(KSh)</p>	<p>How many months are the interval between one transfer and the next transfer?</p> <p>(Months)</p>

Use of a matrix of questions.

Ease of responding to a set of questions quickly.

May end up forcing the wording to fit the pattern.

To deviate to make sure the response is to the item in question or go with the pattern?

	strongly disagree	disagree	neutral	agree	strongly agree
Dogs are friendly					
Dogs are loyal					
Dogs are amusing					
Dogs are killers					
Dogs are obedient					
Dogs are evil					

Generally best to go with the flow rather than get tricky. What do you do if people give you responses that make no sense? You get the knowledge that they were tricked and were not reading closely but you have observations that make no sense.

Question ordering.

Thematically makes sense. Don't skip around.

First, I am going to ask you about the number of camels you own. Then your kids' names. Then the number of cattle you own. Then how much you harvested from your millet field. Then where the kids go to school.....

Open ended should go before close ended, otherwise you tend to have the open ended tied too closely to the close ended.

If the questionnaire is to be self-administered lead with the most interesting / easiest.

If your first question is “tell me the Adjusted Gross Income listed on your 1040 for the past 5 years” who is going to want to go to the basement to pull up the box with tax returns? Easier to let it sit there or go in the recycling bin. If you start with something easier (more fun) to answer, it will be more likely people will get started and somewhat invested in finishing. “Tell me about the fish you caught on your last fishing trip”.

With household surveys, often start with a roster. Easy to answer and gets things started out well.

- 1) I would like to begin by asking some questions about your household. First, I would like you to list every individual currently living in the houses of this household, whether they are related to you or not:

	Name	Relationship to head	M / F*	Age	Highest Grade Level
1	NAME1	RELAT1	SEX1	AGE1	HGRADE1
2	NAME2	RELAT2	SEX2	AGE2	HGRADE2
3	NAME3	RELAT3	SEX3	AGE3	HGRADE3
4	NAME4	RELAT4	SEX4	AGE4	HGRADE4
5	NAME5	RELAT5	SEX5	AGE5	HGRADE5
6	NAME6	RELAT6	SEX6	AGE6	HGRADE6
7	NAME7	RELAT7	SEX7	AGE7	HGRADE7
8	NAME8	RELAT8	SEX8	AGE8	HGRADE8
9	NAME9	RELAT9	SEX9	AGE9	HGRADE9
10	NAME10	RELAT10	SEX10	AGE10	HGRADE10
11	NAME11	RELAT11	SEX11	AGE11	HGRADE11
12	NAME12	RELAT12	SEX12	AGE12	HGRADE12
13	NAME13	RELAT13	SEX13	AGE13	HGRADE13
14	NAME14	RELAT14	SEX14	AGE14	HGRADE14
15	NAME15	RELAT15	SEX15	AGE15	HGRADE15
16	NAME16	RELAT16	SEX16	AGE16	HGRADE16
17	NAME17	RELAT17	SEX17	AGE17	HGRADE17
18	NAME18	RELAT18	SEX18	AGE18	HGRADE18
19	NAME19	RELAT19	SEX19	AGE19	HGRADE19
20	NAME20	RELAT20	SEX20	AGE20	HGRADE20

(if more space is needed, continue on back and circle the following: SEE BACK)

Relationship code: leave blank if self

W_ is a wife, W1 = first wife, W2= second wife,...

S_ is son of a particular wife, SW1 = son of first wife, SW2 = son of second wife,...

D_ is daughter of a particular wife, DW1 = daughter of first wife, DW2= daughter of second wife,...

Z_ is sister of household member, ZH is sister of head, ZW1 is sister of first wife, ZW2 is sister of second wife,...

Instructions for a questionnaire.

Appendix 5

Instructions for Completing: Household Survey on Coping Strategies (CS1) and Individual Survey on Investment Choices (IC1)

For a stratified sample of households (stratified using results of GS1 by social group, household size, and wealth), a survey will be conducted to gain some general information on: livelihood strategies, investment choices, and drought coping strategies. Typically, the informants for this survey will be the male household head and one of his wives.

A. Household livelihood questions

Questions 1-4 are straightforward. Questions should be posed as written on the survey form.

Question 5 Over the past 5 years, has you experienced the following constraints/risks to support your household through crop agriculture? To begin with, ask as an open-ended question. For those constraints/risks named by the informants themselves, write “yes” in column A and B. Then ask whether each of the possibilities not mentioned whether they worked to limit ability to support family ...eg... Did price fluctuations of inputs create a constraint or risk? Did price fluctuations of your crop create a constraint or risk? ... If yes, write “yes” in column A and “no” in column B. For those risks that the household have experienced, which is most important in limiting household security? Which is of second importance? (column C). Rank the experienced risks in order of their importance (1,2,3,4,..5...). Compared to other households in your social group, what has been your experience in managing these risks (better, equal or less well – Column D). Write their response to “why?” in column E (the reason for difference in ability to manage particular risk).

If you were to gain money unexpectedly (around 50,000 CFA – at the time about \$100 USD) during a time without significant need for expenditures (including paying back debts), what would you do to economize or invest into the future?

These are normalized ranks where 1 is highest and zero is not ranked.

	Normalized Rank
Buy and animal for livestock rearing	0.49
Enter into petty commerce	0.44
Buy some durable goods to consume later on	0.37
Buy an animal to fatten	0.32
Invest into a credit cooperative	0.16
Loan money to a merchant	0.12
Keep the money in your pocket	0.12
Loan money to someone else	0.07
Give money as a gift	0.04

In a graph:



Ranking formula is $\text{normalized rank} = 1 - \left\{ \frac{(\text{item rank} - 1)}{\text{number of items ranked}} \right\}$, 0 if not ranked.

Pretesting the questionnaire.

If at all possible, try it as a dry run on a few people to figure out wording problems, ambiguities, ways it can be improved.

I often have enumerators in the training try the questionnaire on each other.

Also have them express it in local languages that they will be using to implement the questionnaire.

Translate it and translate it back.

Identify local language terms that capture the concept in question.

Language issues not as much an issue for domestic survey work, but in IR it can arise.

Think of the TRIPS survey and some of the issues there for example.

The next set of questions asks about livestock. First, we would like to know about animals you have borrowed, lent, given, received or exchanged with other herders since you began managing your herd.

13) For any cattle and camels you borrowed **long term**,* describe the following.

*Long term borrowing is: Tarnan, Maal, or Darnan in Rendille / Ariaal,
Dabarre in Gabra / Boran,
Daran in Gabra,
Sile in Il Chamus / Samburu / Ariaal

Type of Animal	Total # borrowed	# which you borrowed for the following reasons		
		Replace animals lost in a drought	Replace animals lost in theft / raid	All other reasons
Male Camel	BLMCAM	BLMCAMD	BLMCAMR	BLMCAMO
Female Camel	BLFCAM	BLFCAMD	BLFCAMR	BLFCAMO
Male Cattle	BLMCAT	BLMCATD	BLMCATR	BLMCATO
Female Cattle	BLFCAT	BLFCATD	BLFCATR	BLFCATO

14) For any cattle and camels you borrowed **short term**,* describe the following.

*Short term borrowing is : Kalaksime in Rendille / Ariaal,
Kalassime in Gabra,
Amesa in Boran,
Getang Nawru in Il Chamus / Samburu / Ariaal

Type of Animal	Total # borrowed	# which you borrowed for the following reasons		
		Replace animals lost in a drought	Replace animals lost in theft / raid	All other reasons
Male Camel	BSMCAM	BSMCAMD	BSMCAMR	BSMCAMO
Female Camel	BSFCAM	BSFCAMD	BSFCAMR	BSFCAMO
Male Cattle	BSMCAT	BSMCATD	BSMCATR	BSMCATO
Female Cattle	BSFCAT	BSFCATD	BSFCATR	BSFCATO

Self-Administered questionnaires.

- Snail mail survey.
- E-mail survey.
- Dropped off survey.
- Handed out in class survey (course reviews).
- Send with an explanation, a self-addressed, stamped envelope / e-mail address / link / directions on what box to put it in...
 - Self-mailing questionnaire, where you can fold it and it becomes an envelope avoids the whole folding and licking step potentially.
 - Life is better now that we have sticker stamps. Grad student stamp licking a thing of the past?
- Sampling from a population list so assumes a population list
- Printing out address labels / processing e-mail rosters.
- Log in returns.
 - Codes are critical for keeping track of who has already responded.
- Follow up mailings.
- My experience is three waves, with severe diminishing marginal returns.
- Always thank and allow that the filled out survey may have crossed in the mail by the time they get the survey.

- Response rate (and non-response rate). The number of complete interviews with reporting units divided by the number of eligible reporting units in the sample.
 - Partial interviews? Missing items?
- Cooperation rates – the proportion of all cases interviewed of all eligible units ever contacted.
- Contact rates- the proportion of all cases in which a responsible member of the units of observation was reached out of attempts to reach the units of observation.
- Refusal rates – The proportion of all cases the household refuses to be interviewed. Also refuses to continue an interview. Also refuses to answer an item.
 - As we saw in the TRIP report, response rates of 50% are possible. Getting beyond 70% is tough.
 - The question then becomes, are respondents statistically different from non-respondents? Hard to tell unless you have some other information to draw upon. Missing zip codes / disproportionate spatial response (survey is of Onondaga county, suburbs response rate is 80% while city is 30%). As many of you noted, the country specific variation to the TRIP survey was concerning.

Incentives?

- Stick a dollar in to reward (instill guilt?)
- Register for a chance at a gift?
- Credit in a shop? Sack of rice and sugar? Tea? Gifts? Bookmarks? School supplies for kids?
 - Issues of when funded donors provide gifts and national researchers don't have this in the budget.

Interview surveys.

- Generally, these have a higher response rate than the self-administered ones.
 - Federal mandates sometimes for an 80% or 85% level.
- Generally, these have fewer missing data points / I don't know / refuse to answer.
- Generally, these have fewer clearly the person had no idea what the question was about kinds of responses.
- Being there for the interview also gives you the ability to make observations directly (and have a sense of the place you won't get if you never go there).
- On the other hand, you being there to interview can be a very disruptive presence and can lead to changes in the environment of the household you are there to interview.
- Guidelines.
 - Dress to fit in.
 - Be polite and grateful that they are taking the time to answer your questions.
 - A sense of humor helps.
 - Know the language or at least greetings and have a translator if needed to get the points across in an international context.
 - Know the questionnaire. It is really frustrating for the respondent if you can't figure out what you are taking up their time to ask if you can't get the question asked!
 - Know the skip ahead order. It is not confidence inspiring to hear the enumerator say 'OK, it says skip ahead to question 12', watch them look over

the next three pages slowly, then ask the question after 3 minutes have gone by.

- Follow the wording of the questionnaire.
- Don't answer for the respondent.
 - Write exactly what they said and we will sort out the categories later.
 - You can probe, but don't answer for them. Not always easy to tell the difference.
- Coordination – make sure the research team are all asking the same questions in the same way.
 - Enumerator effect. Risk ranking example.
- Training, instructions, specification in terms of describing in the text notes to the enumerators that are to help them work their way through the questionnaire.
- Supervising- read over each and every survey that comes in before you accept it.
 - Send it out for corrections.
 - It says you have 5 goats, 3 were born, 2 were sold, and last time you had 23. What is the explanation?
 - Why did you have a daughter named Eunice last time and now she is Sengewan?
 - Why did your son get younger from last year to this year?
- Select some at random and go check some of the answers with the household in question.

Telephone surveys.

- Not as likely in IR, but as cell phones grow in frequency, may be in increasingly important tool.
- Cost to person receiving the call?
- Can work on the timing to make it less of a problem.

Online surveys.

- Self-selection issues are often an issue.
- Note with TRIP, it can be a follow up, or a way of conducting the survey instead of the paper version for a non-self-selected group (though low response rate gets you in the end after all).
- Devices for surveys. Enumerators to reduce error / hard to read answers.

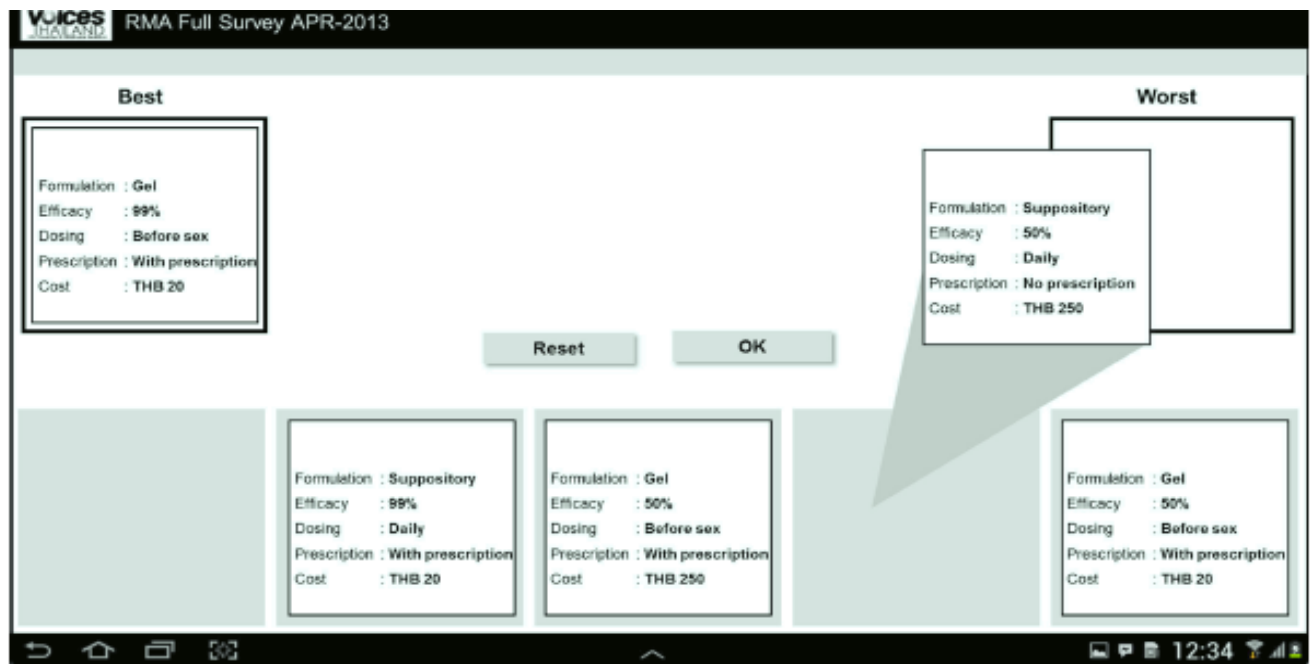


Fig. 1 Tablet administration of choice elicitation task. *THB* Thai baht; 20 THB = \$0.60 USD; 250 THB = \$7.60 USD


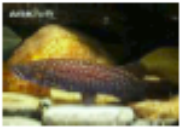



<i>Threatened Animal/Plant</i>	<i>Current Condition</i>	<i>Option A</i>	<i>Option B</i>
Brown Kiwi (Frequency of hearing calls in planted forests in North Island) 	Kiwi calls heard in 1 out of 200 planted forests	Kiwi calls heard in 20 out of 200 planted forests	Kiwi calls heard in 1 out of 200 planted forests
Giant Kokopu (Occurrence in slow moving streams with overhanging native vegetation in planted forests throughout New Zealand) 	Kokopu seen in 1 out of 10 suitable streams	Kokopu seen in 3 out of 10 suitable streams	Kokopu seen in 1 out of 10 suitable streams
Kakabeak (Occurrence in 20% of the planted forests on the East Coast and Hawke's Bay) 	At least 3 naturally occurring Kakabeak shrubs	At least 3 naturally occurring Kakabeak shrubs	At least 10 actively managed Kakabeak shrubs
Auckland Green Gecko (Gecko sightings in open grounds in planted forests in Northland, Waikato and Bay of Plenty regions) 	Gecko sighted in 1 out of 50 walks	Gecko sighted in 5 out of 50 walks	Gecko sighted in 1 out of 50 walks
NZ Bush Falcon (Bush falcon sightings while driving through pine forests in Central North Island and Nelson) 	Bush falcon sighted in 1 out of 8 drives	Bush falcon sighted in 3 out of 8 drives	Bush falcon sighted in 1 out of 8 drives
Additional amount to be paid yearly in your income tax for five years only	\$0	\$30	\$60
I would choose (please tick)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Fig. 1 A sample of a choice task used in the survey

- Photos, videos, illustrations on devices.
- Network coverage an issue.
- Battery power an issue.