

Qualitative Coding Assignment

INTRODUCTION

The data on the following pages come from a 2015 survey completed in the city of Iquitos, Peru. A description of the methods used for this study can be found on the next page, titled "Research Methods". The purpose of this study was to evaluate the general population understanding of a commonly sold fruit and estimate how many people in the city consume the fruit.

The background information you need to know is that aguaje fruit is harvested mostly by cutting down the tree, even though there are climbing methods available. Most aguaje fruit is harvested in wild forest (not privately owned or managed) by small riverine communities and then brought to larger city markets. The city of Iquitos is the major market where the fruit is sold.

HOMEWORK TASK - CODING WITH GROUNDED THEORY

You will need to review the following data and develop codes for the answers. For this activity, focus on the answers to questions 5, 6, and 7. You will need to also group your codes into themes. Please bring your list of codes and themes to class in addition to your answers to the following questions.

HOMEWORK QUESTIONS

1. Do you think that this survey adequately addresses the research question?
Why or why not?
2. Would you make any modifications to the methods or the questions?
Why or why not?

IN CLASS DISCUSSION

In small groups of 3-5, please discuss your codes and themes in the context of the following questions. Spend about 15 to 20 minutes on this discussion and be ready to bring your answers and a summary of your discussion to the class.

- Did you have any assumptions about the ease or difficulty of coding?
- What difficulties did you encounter during your solo coding experience?
- Do you have any remaining questions or uncertainties about your coding?
- Are there any codes that were ubiquitously described?
- Did you group your codes by different themes?
- Can your group come to a consensus on one group of codes and themes?

Research Methods

The purpose of interviewing aguaje consumers was to (1) estimate the percentage of the population that consumes aguaje and their level of consumption, and (2) understand the perceptions and knowledge of the general population about aguaje harvest. Semi-structured interviews were conducted in February, March, November, and December of 2015 in the markets and plazas of each of the four districts of the city of Iquitos. Interviews were conducted by local Peruvian research assistants and the lead researcher (Chelsie Romulo, PhD candidate from the USA). Individuals were approached in the plazas and markets and asked to complete a short, 10-question questionnaire regarding aguaje. For every 10 participants, researchers balanced the sample of individuals with 5 female and 5 male interviewees.

SAMPLE SIZE DETERMINATION

The population of Iquitos, Peru is 437,376 (INEI 2012). Given a 95% confidence interval with 5% margin of error, our sample size determination indicated 384 interviewees; this was rounded to 400. Interviews were distributed throughout the main markets and plazas of Iquitos. More interviews were conducted in the Belen market is because it is the largest market, whereas 2 plazas were visited in the District of Iquitos because it is the largest district.

INTERVIEW LOCATIONS:

- 120 interviews in Belen Market
- 60 interviews in Punchana Market
- 60 interviews in Central Market (Iquitos district)
- 60 interviews in San Juan Market
- 20 interviews in Plaza de Armas (Iquitos district)
- 20 interviews in Plaza de 28 de Julio (Iquitos district)
- 20 interviews in Plaza Mayor de Jose Abelardo Quinones (San Juan district)
- 20 interviews in Plaza Plaza Bolognesi (Belen district)
- 20 interviews in Plaza Almirante Miguel Grau (Punchana district)

QUESTIONNAIRE

1. Sex?
2. Age?
3. How many years have you attended school, including college?
4. How many times a week do you eat aguaje fruit or aguaje products such as juice or ice cream?
5. Is there anything about the harvest of aguaje that you are worried about?
6. How is aguaje harvested in the forest?
7. Would you pay more for aguaje that was climbed rather than cut?

NUM	Location	1. Sex	2. Age	3. Years School	4. # Aguaje Week	5a. Are you Worried?	5b. Worried notes	6. Harvest Method	7a. Pay More?	7b. Pay More Notes
30	Market	M	18	11	2	Yes	When people are cutting the trees.	Cutting	No	Price should be equal
267	Plaza	F	19	10	7	Yes	Because they cut the aguaje	Cutting and climbing	Yes	Because it's a very important fruit for Loreto and the macaws
303	Market	M	19	11	2	Yes	Because they cut and it can disappear	They cut the tree	Yes	Because this way you don't destroy nature and there will be more production
158	Market	M	20	12	7	Yes	Sometimes cut. When he was young they had a small tree with fruits	climb with ropes and cutting	Yes	Not sure why
176	Market	F	20	13	2	No		Don't know	Maybe	
374	Market	F	20	11	3	No		Don't know	Yes	Because they are making effort to climb
118	Plaza	M	21	13.5	2 to 3	Yes	A lot are cutting and it takes years to grow	Climbing, which is harder, and cutting, which is more common	Yes	If it needs it
229	Market	F	21	11	5	No		Don't know	Yes	Because it makes people climb
246	Market	F	21	8	3	No		Don't know	Yes	But it depends on the quantity of aguaje
283	Plaza	M	21	13	4	Yes	Because they cut the trunks	Cutting the trunk and with a hook	Yes	For the sacrifice (difficulty) made for climbing
322	Market	M	21	11	1	No		Don't know	Yes	Because this is taking care of the tree
378	Market	F	21	15	1	Yes	because the cut and it is decreasing	They climb and collect it from the ground	Yes	Because this contributes to the environment
387	Plaza	M	21	6	5	Yes	Because they cut and it is disappearing	Cutting the tree	Yes	Because this doesn't kill the aguaje
4	Market	F	22	11	3	No		Climb with a ladder	No	The price should be equal
9	Market	M	22	11	2 to 3	No		Don't know	Yes	Because it protects the trees
55	Market	F	22	11	3	Yes	Because people are cutting the tree	Cutting and climbing	Yes	So it produces more
81	Market	F	22	11	10	No		Climb with a ladder and hook	Yes	so they don't cut
188	Market	F	22	14	1 TO 2	No		Pole with a hook	Yes	To take care of nature
294	Market	F	22	9	1	Yes	Because the people can fall	Climb with sticks and rope	Yes	But it depends, only if it was not much more expensive
320	Market	F	22	16	7	Yes	Because they cut the	Cutting and	Yes	Because this takes care of the plant and the

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							tree and it is disappearing	climbing but more people cut		environment
335	Market	F	22	16	2	Yes	Because some cut	They cut the tree	No	Because there's no difference between climbing and cutting
382	Plaza	F	22	16	2	Yes	Because they cut the tree and there should be an incentive to climb	Cutting the tree and climbing with a climbing harness or ladder	Yes	because this conserves the species and and we don't lose the important fruit
110	Plaza	F	23	9	2 to 3	Yes	because people cut down the tree	Cutting	Yes	the effort to climb, which doesn't happen when people cut
161	Plaza	F	23	11	2	No		Hasn't seen the harvest, but has seen the trees and imagines climbing	Yes	So they are not cutting and the tree can live
189	Market	F	23	11	7	No		Don't know	Yes	because it should be climbed and not cut
224	Market	M	23	9	2	No		Don't know	Yes	So they aren't cutting aguaje
279	Plaza	M	23	12	0	No		Don't know	Yes	Because it would help the environment
311	Market	M	23	14	4	Yes	Because they cut the tree	Cutting	Yes	Because this way they would take care of the ecosystem responsibly
318	Market	F	23	16	1	Yes	Because they cut and are extinguishing	Cutting and climbing	Yes	Because there is sacrifice
342	Market	F	23	10	3	No		They climb and collect it from the ground	Yes	Because it is more hygienic
359	Market	M	23	11	3	No		Don't know	Yes	Because this way we are nice to nature
376	Market	M	23	16	1	No		Don't know	Yes	Because it takes care of nature
400	Plaza	M	23	16	3	Yes	They cut and decrease the population	Cutting and climbing	Yes	Because it is a good harvest and they don't kill it.
13	Market	F	24	11	2 to 3	No	Because if it is cut it will grow again	cutting and climbing	Yes	So they aren't deforesting
23	Market	M	24	11	1	No		Don't know	Yes	To keep the aguaje reproducing
34	Market	M	24	14	1	Yes	People are cutting the tree	Cutting, and someone is planting short trees too	Yes	So it doesn't kill the tree
120	Plaza	F	24	11	7	No		Climb with a ladder	No	Lots of quantity will bring the price down

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157	Market	F	24	16	1	Don't know	Because don't know how it is harvested	climbing and cutting but not sure	Yes	Because it's protecting the tree
265	Plaza	F	24	16	7	Yes	Because they cut the trees and they do not plant	They cut	Yes	Because they aren't waiting for another year (more production)
327	Market	M	24	16	5	Yes	They should sanction cutting the aguaje	They climb or they cut	Yes	To help the good harvest
360	Market	F	24	16	4	Yes	Because they cut the tree and it is not very hygienic when they sell the fruit	They cut and they climb but more climb	Yes	Although we wouldn't truly know if it had been climbed
14	Market	M	25	10	7	No		Climb with ladders. The best fruit comes from the tallest ones	Yes	If good aguaje only. If the aguaje is bad the tree should be cut because it is too old
39	Market	F	25	14	21	No		Don't know	No	Equal and it is expensive
97	Plaza	M	25	16	3	Yes	How clean the fruit is	Climbing	Yes	Because it's better for the environment
99	Plaza	M	25	16	2	No	Not sure how it is harvested	Not sure	Yes	More natural
101	Plaza	M	25	11	2	Yes	Because some people cut and it's better to harvest with a hook	Cutting and climbing with a pole	Yes	Because it is not necessary to pay more for cutting
162	Plaza	M	25	13	4	Yes	Because they are directly cutting the tree	Climb with ropes or cutting	Yes	Saves more
315	Market	M	25	11	7	Yes	Because they cut the tree	Cutting and climbing	Yes	There is enjoyment in eating the fruit
383	Plaza	F	25	16	1	No		Don't know	Yes	because of the effort to harvest
392	Plaza	F	25	11	3	No		Don't know	Yes	Because I didn't know it was being deforested