



Q-notes: Analysis software for cognitive interviews

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May, 2009

QUEST

Bergen, Norway

History

- Budapest Initiative, Geneva, 2007
 - Australia, US, Canada, Italy
 - Separate studies, separate reports, inconclusive findings
 - Lesson: work must be comparable with consistent method of analysis

Comparative Cognitive Testing Workgroup

Budapest Initiative

European Social Survey

COUNTRIES

Bulgaria/Bulgarian

Germany/German

Portugal/Portuguese

Spain/Spanish

Switzerland/French

The UK/English

The US/English and Spanish

Workgroup: Objectives

Purpose: to develop systematic comparable method with joint analysis

- Joint and coordinated interviewing
 - Similar protocol
 - Similar sample
 - (at minimum) Understanding of differences

- Joint and coordinated analysis
 - With interview data
 - Evidence based (as opposed to opinion)

Example BI chart

Because of a physical, mental or emotional problem, do you have difficulty concentrating, remembering or making decisions?

ID	Immediate words after question	Response Category	Description of any response Difficulty	Activity, experience or Situation Discussed	took meds ? If so, was this considered?	Way in which answer was formed; pattern of Calculation
S1	"None"	No difficulty	None	Forgetting an umbrella when the forecast is for rain.	no	She was thinking about her ability to remember & concentrate in general. Even though she occasionally forgets things it's not a problem. clause ignored
S2	"Sometimes I have trouble remembering things"	a little difficulty	Easy to answer, but this difficulty she sees as normal stuff & isn't concerned about it; i.e., this isn't a disability	walking in to the kitchen and forgetting why she's there	no	a <i>little</i> difficulty means that <i>sometimes</i> she forgets things - it's frequency of forgetting, not significance of things forgotten; 1st clause ignored

Lessons Learned

- Semi-structured cognitive interviews offers critical and unique insight into cross-national question performance
- Transparency is critical
 - Of data from interviews
 - Of the process for drawing conclusions
- Data collection oversight
- Better data management

Q-Notes

- On-line data entry and analysis tool
 - Allows for continuous oversight
 - Facilitates quick but thorough analysis
- Designed around analysis principles

Required Levels of Analysis

1. Cognitive processing errors

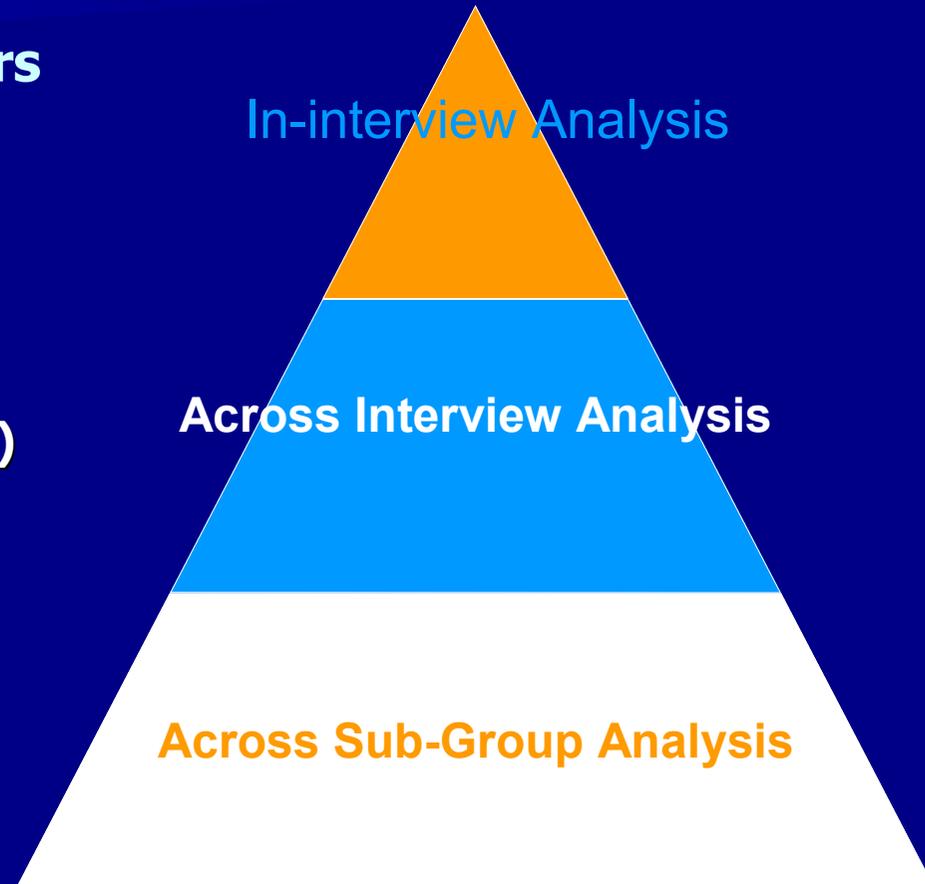
(For individuals)

2. Patterns of interpretation and process

(What the question captures)

3. Patterned differences in sub-groups

(Potential For Bias)

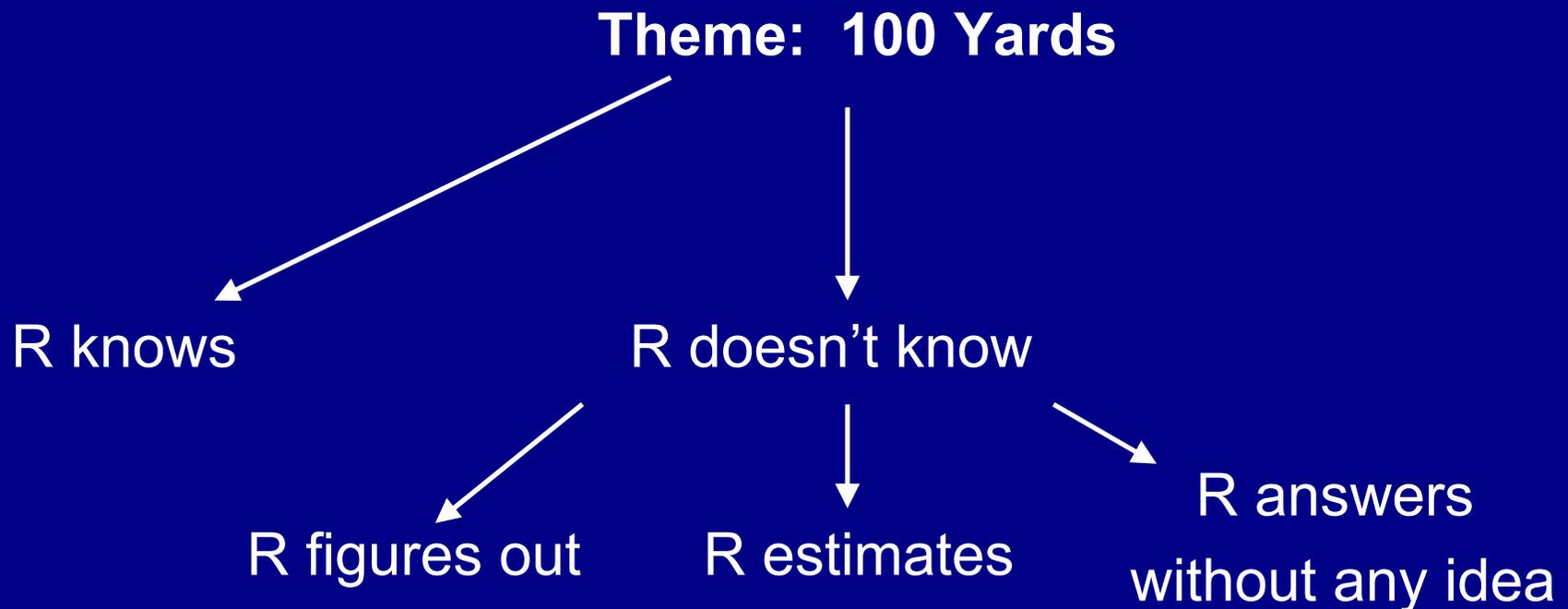


Analysis Technique: Constant Comparative Method

- Glaser, B. & Strauss, A. (1967) The Discovery of Grounded Theory. Chicago: Aldine.
- Identify an aspect of question response in one interview
 - E.g., type of error, type of interpretation
 - Compare that finding to the next interview
 - Is it the same? If not, how is it different?
- Incorporate revelations from that comparison into the “theory” (i.e. the cognitive interview “findings”)
- Report incorporates description of themes with the examples

Example: Constant Comparative Method

Overall during the past four weeks, how much difficulty did you have with walking short distances, for example 100 yards/meters?



Goal:

- Map out all relevant constructs in the entire question-response process
Eg. 100 yards, 4 weeks, activities considered
- As well as, the relationships between the constructs
Eg. Does '4 weeks' inform the types of activities considered?
- Fully depicting the phenomena captured by the question

What is a credible finding?

1. Transparent
2. Coherent Themes
3. Consistent Individuals
4. Communicable

Internet Explorer browser window showing the URL <http://wwwn.cdc.gov/qnotes/>. The address bar includes navigation buttons (back, forward, stop) and a search box with the text "Google". The menu bar contains "Edit", "View", "Favorites", "Tools", and "Help". The toolbar includes a "Login" button, a "Home" button, "Feeds (1)", "Print", "Page", and "Tools" buttons.

Q-Notes

User Name:

Password:

Login

Forgot your Password?

Enter your User Name and Click [HERE](#)

Windows taskbar showing the "start" button, a taskbar with icons for Internet Explorer, Outlook, and other applications. The system tray on the right shows "Trusted sites" with a green checkmark, "100%" zoom, and the system clock displaying "10:39" and "Tuesd".

Q-Notes

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Welcome to Q-Notes, Kristen

To begin, select the project you would like to work on.

Date	Project Name	Investigator
1/5/09-	Washington Group International Disability Testing	Kristen Miller
10/08- 12/08	NHANES A-CASI Sensitive Questions	Heather
2/2/09	Washington Group International Disability Testing Round 2	Kristen Miller
1		

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Project Information	
Project Name	Washington Group International Disability Testing Round 2
Investigator	Kristen Miller
Date Range	2/2/09
Topic	Disability
Scope	International
Project Information	

Country	Interviews
	1
Australia	2
CAMBODIA	19
Canada	17
KAZAKHSTAN	20
MALDIVES	20
MONGOLIA	20
PHILIPPINES	20
South Africa	6
SRI LANKA	14
United States	19

[View All Interviews](#)

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Interview Details

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Interview Information

Respondent ID:	<input type="text" value="PHILIPPINES 10"/>	Interview Date:	<input type="text" value="3/6/2009"/>
Interviewer:	<input type="text" value="MBaluyot"/>	Place of Interview:	<input type="text" value="Pasig"/>
Language of Interview:	<input type="text" value="Tagalog"/>		
Country:	<input type="text" value="PHILIPPINES"/>	Age:	<input type="text" value="50"/>
Gender:	<input type="text" value="Female"/>	Marital Status:	<input type="text" value="Currently Married"/>

Notes

Interview Narrative:	Summarizing Memo:
<input type="text" value="The interview was conducted at the respondent's house that was a little bit warm. An electric fan was used to ease the perspiring respondent. She was obese & feel hot most of the time. From time to time, we pause because she seems to have difficulty breathing. According to her, she had an ashrma attack two (2) days ago."/>	<input type="text"/>

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Information	
RespondentID	PHILIPPINES 10
Interviewer	MBaluyot
Interview Date	3/6/2009
Filter list by Section	<input type="text"/>

QuestionID	Question	
IDR2SS1a	Do you have difficulty seeing, even when wearing glasses?	Select
IDR2V1.1a	Do you wear glasses to see far away?	Select
IDR2V1.1b	Do you wear glasses to see up close?	Select
IDR2V1.1c	Do you wear glasses for another reason?	Select
IDR2V1.3	Do you have difficulty clearly seeing someone's face across a room [even when wearing your glasses]?	Select
IDR2V11.1ai	How old were you when the difficulty seeing far away began?	Select
IDR2V12.1i	Is your difficulty seeing far away due to a health problem or something else?	Select
IDR2V13.1i	Does your difficulty seeing far away limit your ability to carry out daily activities?	Select
IDR2V13.2bi	Does your difficulty seeing far away limit your ability to carry out daily activities that are not part of your day-to-day life?	Select
IDR2V1.4	Do you have difficulty clearly seeing the picture on a coin [even when wearing your glasses]?	Select
IDR2V21.1ai	How old were you when the difficulty seeing close up began?	Select
IDR2V22.1i	Is your difficulty seeing up close due to a health problem or something else?	Select

Response Details

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Response Information

IDR2M3.4: Do you have difficulty walking 100 (meters/yards) on level ground, that would be about (insert country-specific example) [without the use of your [insert aid]]?

3.4 { () } 3.4

100 () ()

1. 100 () ()

2. 100 () ()

3. 100 () ()

4. 100 () ()

Respondent MALDIVES 7

ID:

Interviewer: LHakeem [Send Email](#)

Interview Date: 3/31/2009

Answer:

Notes

know may be very far. but when gave the example to tof the football ground then she immediately said no difficulty.

Save Memo
Others' Summarizing Memos:
Stephanie: Potential error when the respondent takes the question too literally. Interpretation of categories (i.e., difficulty) may vary -- one example = frequency of difficulty vs. level of difficulty.
Heather: Difficulty = pain
MSchneider: rural dwellers tend to walk long distances and therefore rarely have difficulties in mobility. Soccer is a very popular sport in rural

- Analysis**
- ...Themes
 - Response Consistency
 - Distance Considered**
 - Aid Instruction
 - Administrator Code Only
 - [Add New Theme](#)
 - [Help](#)

Category:

[Add New Category](#)

She said she don
100 meter

[Delete Theme Information](#)

[View Question List](#)

[Next Question](#)

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Print

	Output
Full Question List	All Questions and Themes for project.
Full Question Stats Summary	Questions and Themes along with the number of cases for each category.
Full Question Summary	Respondent Info, Answers, Narrative and Themes shown by Question
Question Notes Summary	MetaNotes for each Question
Interview Notes Summary	Narrative and Metanotes for each Interview
Question Summary <input type="text"/>	Answers, narrative, themes and metanotes for selected question
Multiple Question Summary <input type="text" value="IDR2SS1a"/> <input type="text" value="IDR2V1.1a"/> <input type="text" value="IDR2V1.1b"/>	Answers, narrative, themes and metanotes for selected questions
Interview Summary <input type="text"/>	Answers, narrative, themes and metanotes for selected respondent interview
Theme Summary Question ID: <input type="text"/>	All Information for specified theme
Theme: <input type="text"/>	

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Select one of the following links to take you to the specified analysis screen

[Single Question](#) Allows you to view answers and themes for a selected question. You can filter results by themes and answers. Also you can group results by various categories (Race, Answer, Gender, etc..)

[Question VS Question Search](#) Allows you to view answers for two different questions. You can filter results by answers. Also you can group results by various categories (Race, Answer, Gender, etc..)

[Question VS Question Crosstab](#) Allows you to do a simple cross-tab of Respondents answers to two different questions.

[Question VS Question Theme](#) Allows you to do a simple cross-tab of Respondents answers to a question, with a theme from a different question. (Potentially)

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Select Question:

Do you have any difficulty walking or climbing steps?

Answers:

Theme: Response Consistency [Category](#)

Output: Notes All Categories

Theme: Administrator Code Only [Category](#)

Output: Notes All Categories

Field	Output	Sort Order
Race	<input type="checkbox"/>	<input type="text" value=""/> <input type="button" value="v"/>
Hispanic	<input type="checkbox"/>	<input type="text" value=""/> <input type="button" value="v"/>
Age	<input type="checkbox"/>	<input type="text" value=""/> <input type="button" value="v"/>
Country	<input type="checkbox"/>	<input type="text" value=""/> <input type="button" value="v"/>
Language	<input type="checkbox"/>	<input type="text" value=""/> <input type="button" value="v"/>
Gender	<input type="checkbox"/>	<input type="text" value=""/> <input type="button" value="v"/>
Education	<input type="checkbox"/>	<input type="text" value=""/> <input type="button" value="v"/>
Income	<input type="checkbox"/>	<input type="text" value=""/> <input type="button" value="v"/>
Question Answer	<input type="checkbox"/>	<input type="text" value=""/> <input type="button" value="v"/>
Narrative	<input checked="" type="checkbox"/>	<input type="text" value=""/> <input type="button" value="v"/>

- Income
- Question Answer
- Narrative
- Location
- Marital Status
- Theme Notes

Group Results?

[Print](#)

RespondentID	Narrative
Canada 13	Probed: Cannot walk at all - am in a wheelchair
MONGOLIA 2	Spinal cord injury owing to the car accident.
MONGOLIA 8	
South Africa 2	she considereere both walking and climbing; for her the issue is enteriy l with or without her wheelchair and then depends on whether he battery if properly charged or not. She said she refers to 'walking to the shops' when referring to going there in her wheelchair.
SRI LANKA 12	
SRI LANKA 4	She said she can't walk due to knee problem.
United States 18	

Do you have difficulty walking 100 (meters/yards) on level ground, that would be about (insert country-specific example) [without the use of your [insert aid]]?

Do you have difficulty even when using your [insert aid]?

	No - no difficulty	Yes - some difficulty	Yes - a lot of difficulty	Cannot do at all
No - no difficulty	8	2	3	2
Yes - some difficulty		2	3	6
Yes - a lot of difficulty	South Africa 3		1	2
Cannot do at all			1	2

