

QUALITATIVE DATA ANALYSIS

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ISS Training Workshop: Gadjah Mada University Yogyakarta,
Indonesia,
February 20-24, 2012



Outline

- Overview of thematic analysis as a recommended tool for analysing INTREC interviews
- Exercise thematic analysis of two interviews on "smoking"



Thematic analysis

- One of the most commonly used methods in qualitative analysis
- Accessible and flexible way of analysing qualitative data
- A method for identifying, analysing and reporting repeated themes (patterns) within a data-set
- Organize and describes data, and sometimes goes further in interpreting the research topic

Braun, V & Clarke, V (2006). Using thematic analysis in psychology, *Qual Res Psych* 3:77-101



Thematic analysis - prerequisites

- Data familiarisation
 - Know your data!
 - Carry out data collection yourself!
- Some kind of coding of data required
 - Transcribed interviews preferable
- Analysis needs to be modified along the process...
 - Adjust earlier coding in the light of a fuller picture
- Identifying central themes might easy interpreting the meaning of the themes harder...
 - What about…?
 - Analytical skills required
- Themes need to be exemplified
 - Quotes as illustrative examples



Thematic analysis - steps

Step	Description
1)Familiarizing with data	Repeated readings of transcripts, notes of ideas
2)Generating initial codes	Characterizing the data; a) open b) steered by research questions
3)Searching for themes	Sorting of codes; a) data driven b) Research question driven
4)Reviewing themes	Comparing codes & themes, deciding on analytical level of theme (descriptive or interpretative)
5)Defining and naming themes	Refining and defining the theme – identifying the essence of what the theme is about
6) Producing the report	Provide sufficient evidence of the themes within the data



What counts as a theme?

- Captures something important about the data in relation to the research questions
- Represents a patterned meaning in the data
- May be data-steered or steered by pre-determined questions / interest in relation to specific research questions



How to identify a theme?

- 1. Identify themes based on open coding of the data
 - Inductive, bottom up
 - Data driven
 - Requires open coding of the data what does this data tell me?
- 2. Identify codes and characteristics of *pre-determined questions*
 - Deductive, top-down
 - Driven by specific research interests
 - Code for specific research questions what does this data tell me about (e.g.) motives for smoking?

Datum

Sidfot



Coding

 Giving substantive codes to segments of the text

"Running the data (open)"

- Naming a phenomenon, an unit, a piece of information
 - Totally "open minded"
 - Steered/guided by research questions
- A way of characterizing data what is in the data (about...)?
 - Sometimes by suing the same term as in the text
 - Sometimes by using other concepts to describe what the text says
- Can be done manually or through software programs, e.g. "Open code"

Download from:

http://www.phmed.umu.se/english/divisions/epidemiology/research/open-code/



Example of open coding

What does this tell me?
How can this be labeled?
First thing that come into my head!

Text

R: This place is a community with good and bad things. The good thing is that we feel close to neighbors and relatives. We have peace and calm and it is safe for the children. Then another thing is that we know too much about each other. Then there is few job opportunities which is negative for the youth, they move from here.

Open codes

Feeling-of-solidarity, neighborhood-spirit, Peace-and-calm, good-forchildren, safety Social-control, Social-control, lack of job Lack-of-job, young move Young move, no future



Examples of *preliminary* **themes & codes**

these codes tell me about community norms and local politics? Community before politics

What does

Prel.	Community norms	Local
THEME		politics

Look down on unengaged

Contempt of academics Codes Alcohol only weekends Unemployed mentality Jealousy Capable norm Handy important Earning money ugly Helping out norm Don't think you are someone No high culture

Conflict politics – rural settings
Pressure on local politicians
Politics become un-politics
Political fights
Social democratic region
Political solidarity varies
Social democracy failure
Etc
Etc.



Analytical level of the theme

- 1. Semantic/ explicit level
 - Descriptive
 - E.g. "Strong community norms for engagement"

- 2. Interpretative / latent level
 - Interpretative
 - E.g. "Strong community norms for engagement creates community spirit"



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Exercise – thematic analysis of smoking interviews

- Data set;
 - Two interviews about "experiences of smoking"
- Research questions;
 - Pre-determined
 - a) motives for smoking
 - b) reasons to stop smoking,
 - c) barriers to stop smoking
 - Steer your coding and identification of themes (patterns)
- Result; present;
 - Codes for each question
 - Description of the essence of each themes
 - Suggestions of names of each themes