Balancing numbers and voices

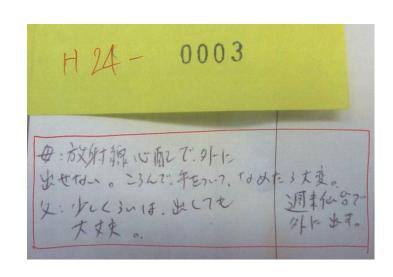




Text data examples

Parenting counseling data

Public health nurses' parenting counseling notes in child health checkup files



Group discussion data

Post-It notes from public health nurses' meetings



QUALITATIVE WHAT ARE YOU TALKING ABOUT? IS THIS SCIENCE?

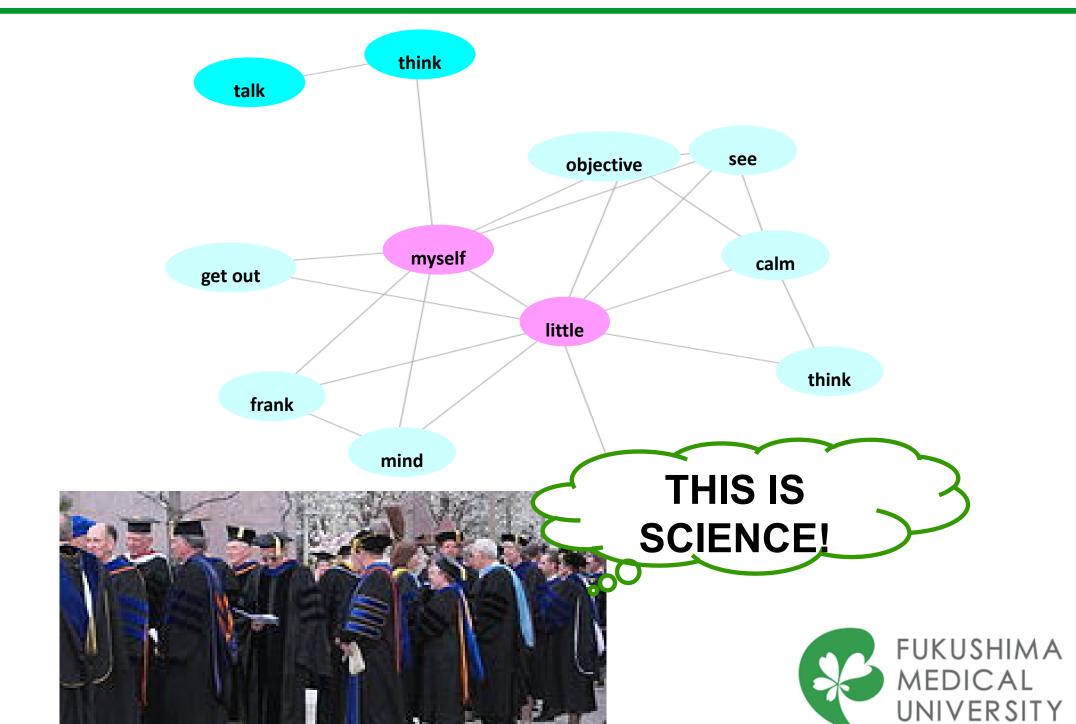




Way to go

- Quantitative analysis of qualitative data (KH coder)
- Qualitative analysis of qualitative data (SCAT)

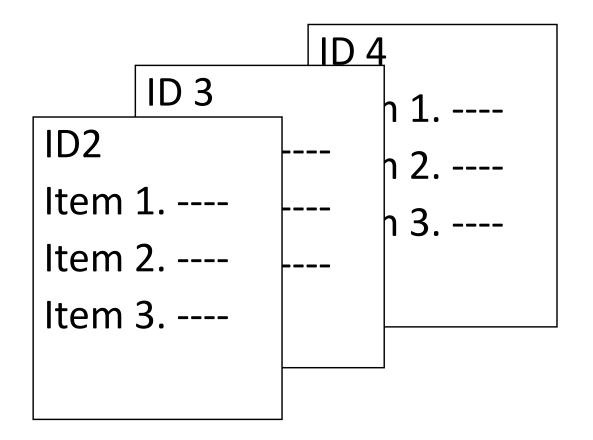




Manual quantitative analysis of text data

Existing data

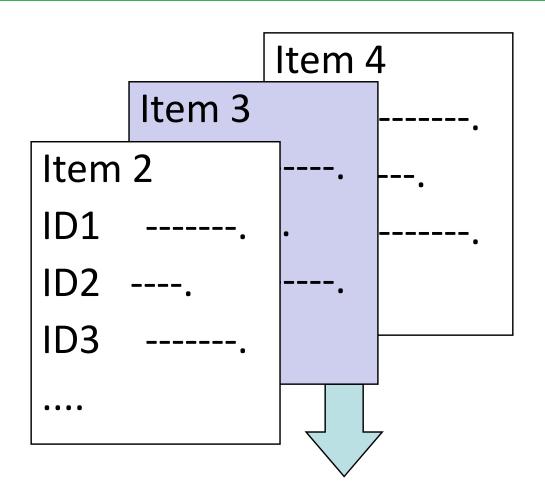
ID 1
Item 1. ---Item 2. ---Item 3. ----





Data filing

Item 1
ID1 -----.
ID2 ----.
ID3 -----.



ID1: TB sometimes caused by working too much, and too hard. Also, no nutritional food.

ID2: I was told that ... if one is overworked without proper nutrition can get tuberculosis.

Carey JW, et al. Cultural Anthropology Methods 8(3): 1-5.

CODE LIST

<u>Code</u> <u>Definition</u>

CAUSECON TB is caused by exposure to infected people.

CAUSEWRK TB is caused by hard labor.

CAUSENUT TB is caused by poor nutrition.

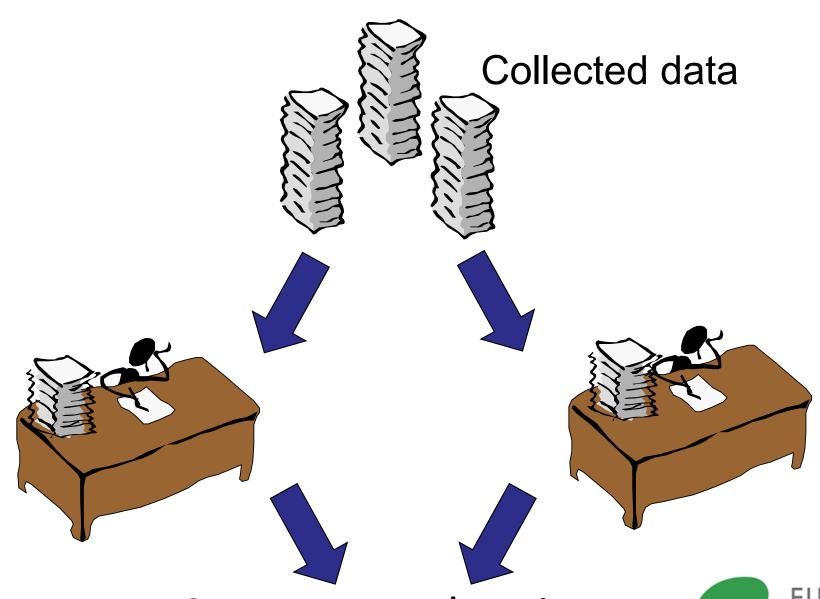
. . .

DATA CODING

ID1: TB sometimes caused by working too much, and too hard.(CAUSEWRK) Also, no nutritional food. (CAUSENUT)

ID2: I was told that ... if one is overworked (CAUSEWRK) without proper nutrition can get tuberculosis. (CAUSENUT)

FUKUSHIM

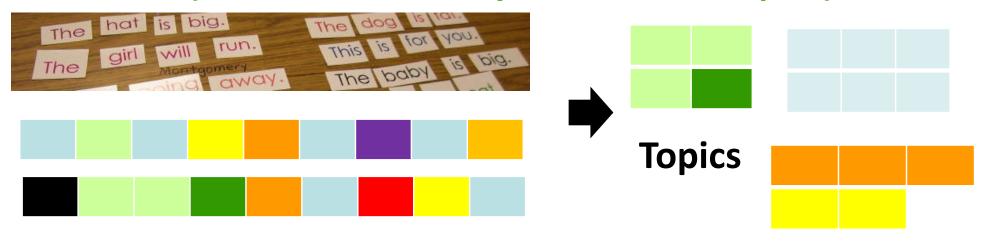


Compare and revise



Computerized quantitative analysis of text data

KH Coder (Quantitative analysis to create topics)



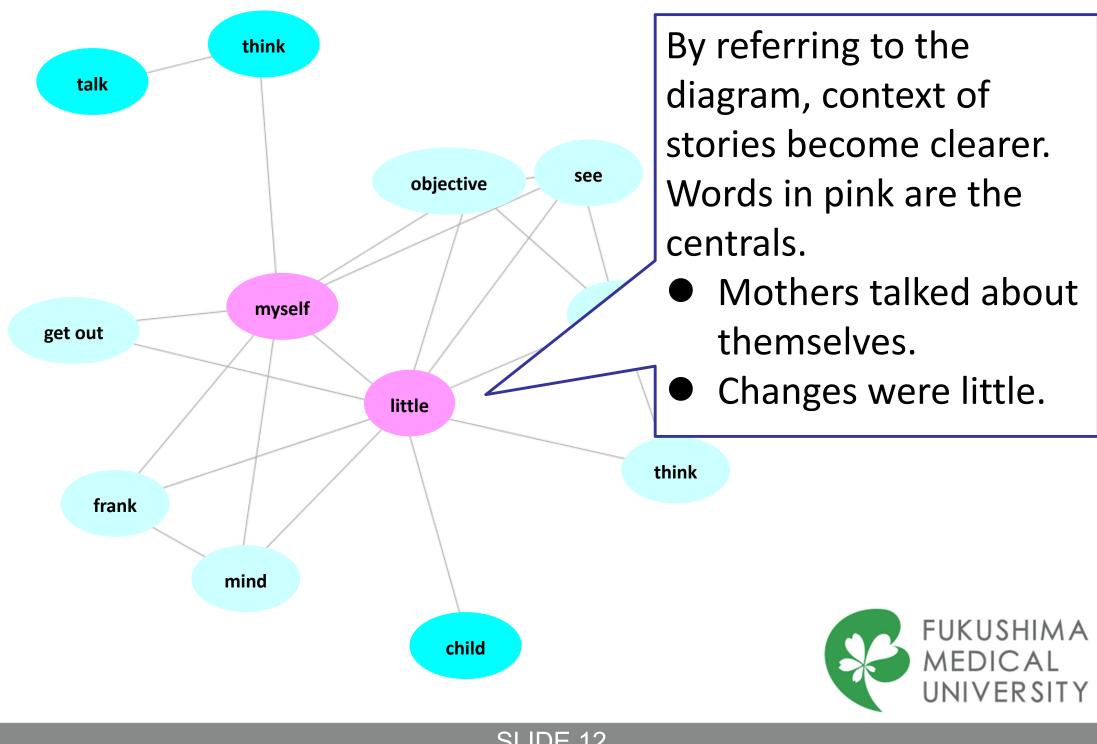
Example: Participants' opinions after a parenting class

terms	No
little	8
myself	7
think	3
mind	2
objectively	2
see	2
think	2
child	2
frankly	2
get out	2
calm	2
talk	2

Simply by looking at the list of frequent words, you can get an overview of participants' opinions.

- My mind changed a little.
- See and think objectively.





Data entry

- Enter by WORD in English
- Put "." at the end of each sentence.
- \Leftrightarrow Eliminate $\bigstar \otimes \times ? \rightarrow$
- Save as a simple text file.
 - Select (*.text)



Installing data into KH Coder

Install and open ENG version



- \Rightarrow Project \rightarrow New \rightarrow Browse \rightarrow Eng FreeLing
 - \rightarrow select the file \rightarrow OK
- Pre-Processing -> Run pre-processing \rightarrow OK
- \star Tools \rightarrow Words \rightarrow Frequency list (Excel)
 - → OK You see a list of frequent words in a excel sheet.

Frequency list (= Descriptive analysis)

- ❖Tools → Words → Frequency list (Excel)
 - → OK You see a list of frequent words in a excel sheet.

When you want to check how the word is used...

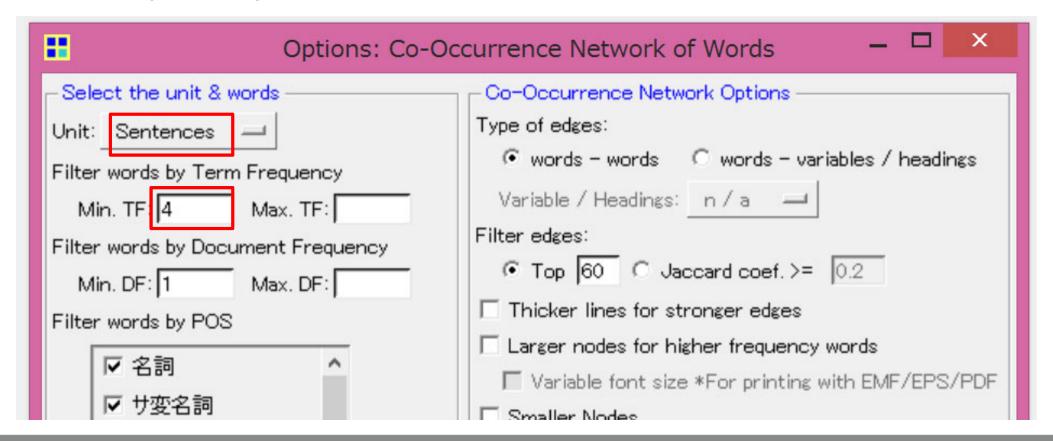
 \star Tools \rightarrow Words \rightarrow Frequency list \rightarrow OK

Click each word and you can find the word in a sentence.

This function is applied in all diagrams.

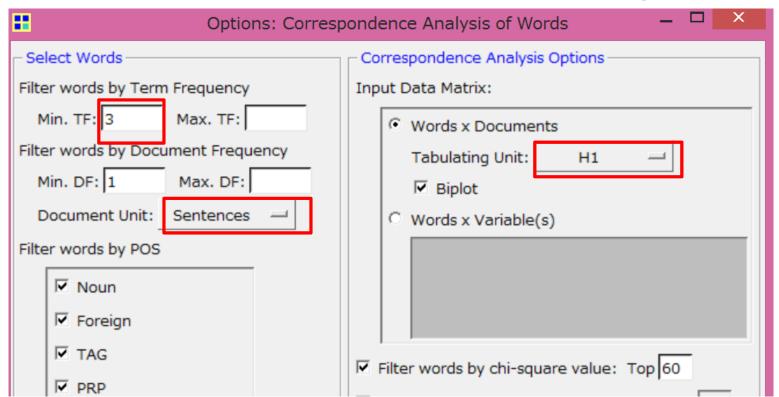
Co-occurrence network

- ❖Tools → Words → Co-occurrence network
 - → Select sentence as unit
 - \rightarrow Specify min No. (in this exercise, select 3) \rightarrow OK



Correspondence analysis (= Cross tabulation)

- ❖Tools → Words → Correspondence analysis
 - → Select sentence as unit
 - → Specify min No. (in this exercise, select 3)
 - → Select H1 and Tabulating Unit → OK



Words that are outside of the H1 labels are the characteristics of the group.

Exercise

Opinions about what you thought that patients wanted to say.

- Use a file "kh coder exercise data".
- Develop a list of frequent words.
- Develop diagrams.
- Write a summary sentence.