Peer Critique and Thinking about Analysis

CS344 W05 Workshop

November 12, 2017
Mini-project feedback so far

- Lots of classic changes to evaluation from piloting
- However, many teams have not explored whether their planned evaluations would actually provide them with the data that they needed to answer their evaluation goals.
- I.e. Assuming that everything goes exactly as you imagined, would the information you collect be necessary and sufficient to answer your research questions?
Outline

1. Thinking about Data Analysis

2. Data Analysis
   - How to do Analysis
   - Affinity Diagrams
   - Data sketching

3. Peer Sharing

4. Mini-Design Reviews
   - Goal
Data type review

Let’s go over quantitative/qualitative/subjective/objective data from class.
Quantitative measures

What are our descriptive statistics?
How can we visualize them?
How to do Qualitative Analysis

Don’t worry, it’s tough for everyone
Try to let themes emerge on their own

- Affinity Diagramming: Rearrange till a structure emerges
- Key Phrases/Critical Incidents: Rank and Compare them in terms of importance
- “Coding”
- Visualization of data: Diagrams, charts, graphs...?

First, **brain dump** your data.
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Affinity diagramming is a two part process. First, you brainstorm (no editing, as much as possible). Then you arrange and rearrange it. Can be used to generate ideas or to analyze data.
Affinity Diagrams

Saving Issues

Participant 1: couldn’t find the print button

Participant 3: “I really like how easy it is to change fonts”

Participant 2: “how do I save?”

Participant 2: “why am I not allowed to print?”

Participant 1: frequency uses word processor for schoolwork

Participant 3: struggled to print his document

Participant 3: Took 3min to find out how to save the document

Printing Issues

Participant 1: study was conducted at home

Mini-Design Reviews

Goal
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Peer Sharing

Each team will (in approx. 3 minutes)

- Briefly introduce project topic + what they hoped to learn through their evaluations
- Quick review of what type of data you will be gathering + how you plan to analyze it
- Present how that data and analysis will answer your evaluation goals

1 min for question/discussion after each team.

Think of helpful critiques (use positive language)

10 min to prep for peer sharing.

Use data from your piloting as example data.
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Goal:

- Discuss your evaluation revisions & analysis plan with teaching staff
- Ask any questions you have about next steps for the mini-project