Lecture 21 – Creating an Assessment Tool

Discuss:

In what ways are visualizations and visual objects assessed for research (according to Ware)?

- rating scales (0-5)   - reproducibility

- structured interviews

Discuss:

Which of these methods may be most appropriate for assessing our final projects?

rating scales:

- overall understanding

- strengths and weaknesses

- Ease of use   - Clarity

- readability

- aesthetically pleasing

- accessibility

structured interviews:

- overall understanding

- unclear concepts/points

- Suitability

- cognitive load

Discuss:

What are the most important aspects of a visualization?

correct/accurate

- is the point accurately communicated?

- are the data accurately represented?

- citations, attribution

aesthetics

- size of text, visual elements

- visually pleasing

accessibilty

- colorblind friendly
- seizure-safe
- accommodates learning disabilities
- accommodates physical disabilities
- alt text for blind people

cognitive load

- number of elements

- accommodating to audience knowledge

- is training required to read?

- is element fighting against previous knowledge?

- overall cognitive load