Applying Feminism to Visualization Research

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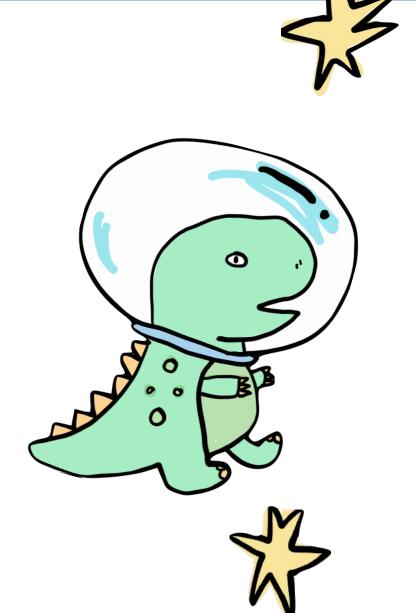
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https://gotdairyya.github.io/

Overview

Popular media depicts feminism as centered around women.

Feminist epistemology though has been used by scholars in HCI, STS, and visualization to guide research questions in *inclusive* and *ethical* ways. Feminist epistemology is concerned with how systems of power and privilege impact how some knowledge comes to be (while others do not). My research extends this lineage of work in the field of visualization.



Why should you care?

technology doesn't float in space

Technology embeds and reflects our world views.

Without exploring this, we run the risk of:

- + perpetuating past harms and biases
- + creating harmful technology
- + ignoring marginalized perspectives \swarrow







trouble assumptions surrounding data

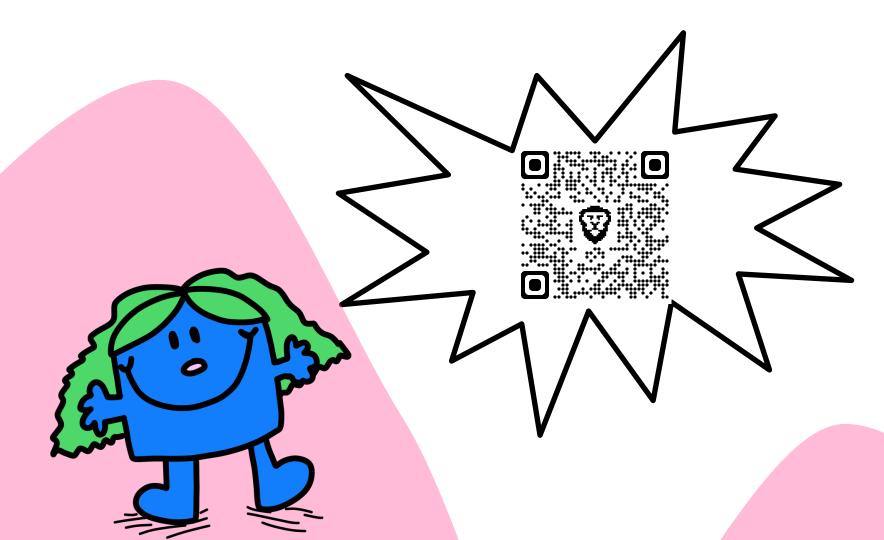
Data Hunches: Incorporating Personal Knowledge into Visualizations

H. Lin, <u>D. Akbaba</u>, M. Meyer, A. Lex IEEE Visualization, 2022.

Feminist Epistemology in Action:
question the authority of data in analysis



- propose a new definition of qualitative uncertainty, or data hunches
- define data hunches as an analyst's knowledge about how and why the data are imperfect and partial representations
- share guidelines for designing visualizations with data hunches



explore the ethics of collaborations

Troubling Collaboration: Matters of Care for Visualization Design Study

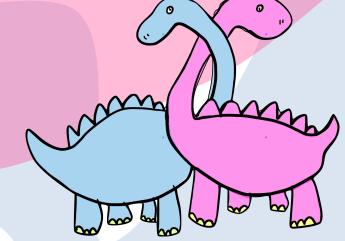
<u>D. Akbaba</u>, D. Lange, M. Correll, A. Lex, M. Meyer In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23), 2023

Feminist Epistemology in Action:

unpack how ethics are emergent and situational; affected by agency and power

Overview:

- explore what impact visualizations researchers have on their collaborators through an interview study
- report on the sources of care and ethical considerations within visualization collaborations



expand qualitative methods

"Two Heads are Better than One":
Pair-Interviews for Visualization

D. Akbaba, M. Meyer IEEE Visualization Short Papers, to appear, 2023



establish novel interview method for visualization create online primer to support others in using the method



Overview:

 unpack the history of the term chartjunk from Edward Tufte and the subsequent devaluing of designerly ways of knowing

Feminist Epistemology in Action: understand how history and

unpack history of commonly used concepts

Manifesto for Putting 'Chartjunk' in the Trash 2021!

D. Akbaba, J. Wilburn, Main T. Nance, M. Meyer

power affect current research practises

alt.VIS, a workshop co-located with IEEE VIS, 2021

• put forward a provocation to be more careful with the terms







Find the digital version of the poster here.



