DO YOU SEE ME?: HYPERVISIBLE INVISIBILITY #ENGINEERINGWHILEBLACK

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CENTERING BLACK PERSPECTIVES

We see the failure of the engineering field to recruit, retain, and successfully prepare Black students as a crisis, and as black scholars we each leverage our experience, intellect, and talents toward innovative solutions to this critical situation.

OBJECTIVES

1. Provide insights on valuing counter-storytelling and the methodological practices associated with it

2. Provide space for modeling listening and reflexive practice

3. Share our stories of studying/doing engineering as Black people

METHODOLOGY OF COUNTER-STORYTELLING

METHODOLOGIES OF COUNTER-STORYTELLING

Autoethnography - The qualitative researcher becomes her own participant in a naturalistic study of personal life experiences. Self-inquiry can provide not only a deeper understanding of one's self, it generates a first-person, authentic account of a way of life that informs audiences of the diversity of human nature.

Narrative Inquiry - the process of gathering information for the purpose of research through storytelling.

"Humans are storytelling organisms who, individually and collectively, lead storied lives. Thus, the study of narrative is the study of the ways humans experience the world." In other words, people's lives consist of stories.

DATA ANALYSIS OF COUNTER-NARRATIVES

Typical data collection methods

Field notes

Interviews

Journals

Letters

Autobiographies

Oral Stories

Data analysis methods

Qualitative content analysis extends beyond counting to assess thematic features and concepts suggested by the data.

Discourse analysis examines not just the contents (what) but the contexts (how) of narrative and visual texts.

Deductive coding is the coding method wherein you have developed a codebook as a reference to guide you through the coding process.

Inductive coding method is used when you know little about the research subject and conducting heuristic or exploratory research.

REFLEXIVITY

Qualitative researchers do a lot of thinking, and **reflection** is personal, mental immersion in the data, their meanings, and the study as a whole.

Reflexivity is individual reflection on one's relationships with the data, the participants, the nature of the study, and even with one's self as a researcher. Think of reflection as looking outward, and reflexivity as looking inward. Both of these play a critical role when the researcher as an analytic "instrument" mulls over the data and their implications.

Who you are matters
How you listen matters

TODAY'S "WORKSHOP"

Practice listening to stories of marginalized voices and reflecting on:

- How does it make you feel? What does it make you think?
- What do you hear?
- What do you think it means?

Reflect here:

https://tinyurl.com/EWB-2020

Next Steps:

1. Think about the "implications" of your reaction
2. Take your reflections to folks in your circle who are interested in seeing a shift in the presence of these voices.
3. Research the impact of positionality

JEE UNDER REVIEW

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