

Cognitive Biases in UX Research

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Cognitive Biases

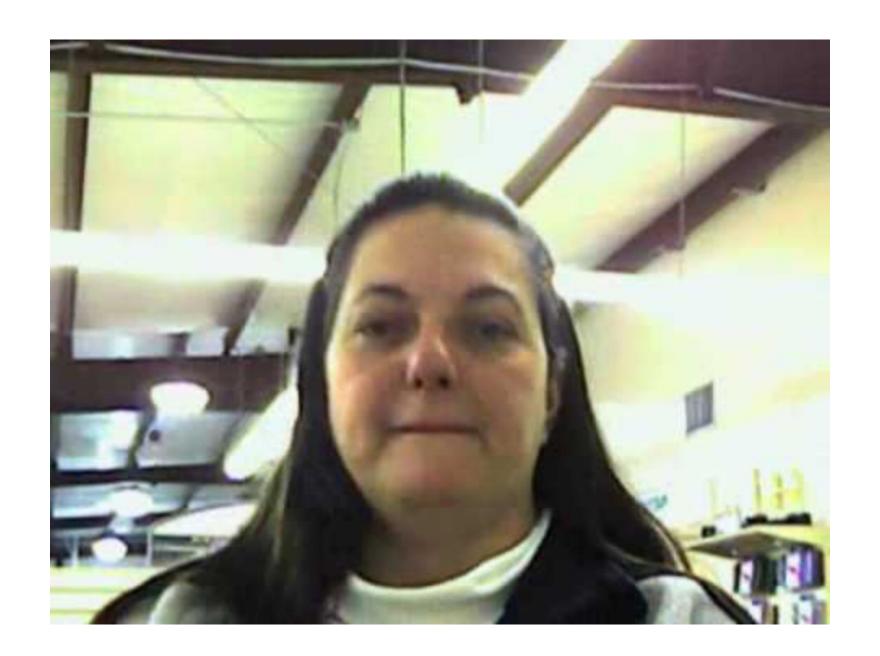
Information processing shortcuts

Pervasive – we all have them

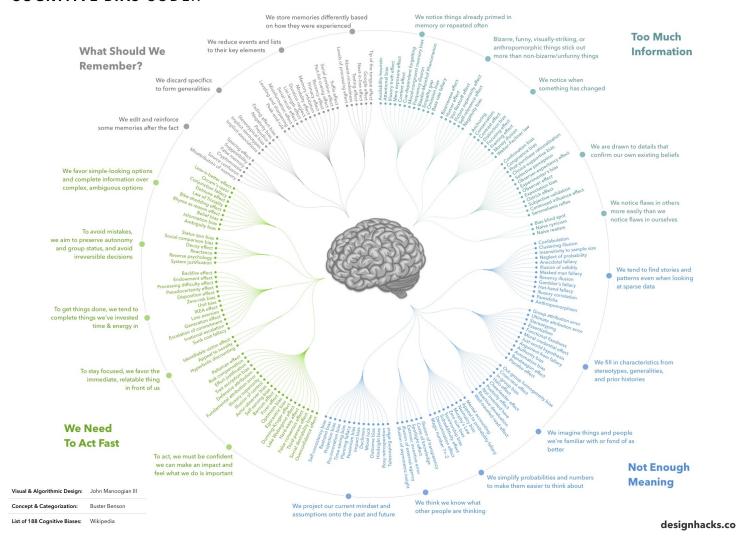
Influence our thoughts, decision-making, and behavior



Why Diversity and Inclusion Matter



COGNITIVE BIAS CODEX



Implicit bias

Framing effect

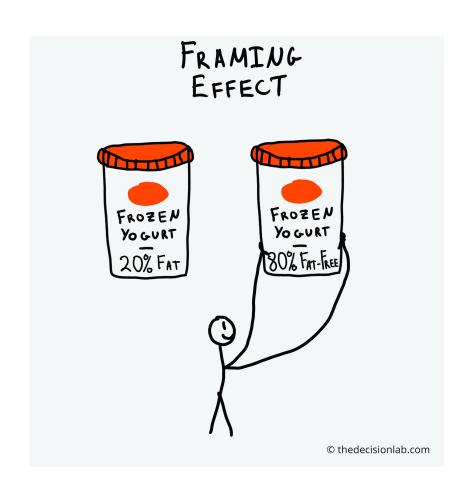
Confirmation bias

Clustering bias

Illusion of transparency

- Implicit bias
 - Based on group-based stereotypes
 - Formed from direct and indirect experience
- UX Example
 - Our implicit bias about a person may influence how we interact with them

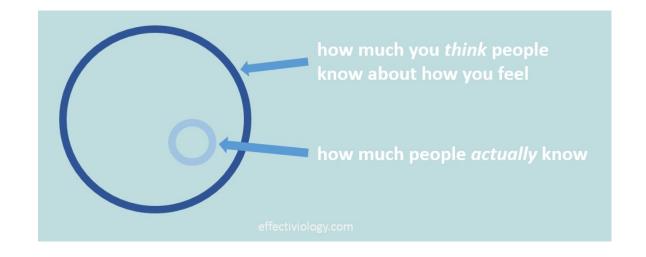
- Framing Effect
 - How are you presenting information?
 - Are you leading participants to give you a particular response?
- UX Example
 - "What did you like about this product?" vs. "What do you think about this product?"



- Confirmation bias
 - Giving more weight to evidence that supports our assumptions and discounting information that doesn't support those assumptions
 - We notice, focus on, and give greater credence to evidence that fits our existing beliefs
- UX Example
 - UX practitioner might hear users complain about a poorly designed navigation system in a product and discounts such feedback because the design looks logical to them

- Clustering bias
 - Seeing patterns where there aren't any, leading to an incorrect assumption
 - Usually occurs when the sample size is too small
- UX Example
 - Drawing a conclusion based on a small number of participants who expressed the same thing

- Illusion of transparency
 - Overestimating the extent to which others know what we are thinking or trying to convey
- UX Example
 - In interviews, participants may convey their emotions, but it is hard to know if the message is being conveyed correctly



Implicit bias

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