





















Fundamental Attribution Error things are absolutely so, ignoring context Anchoring Bias overcomitting to an idea Automation Bias machines are better than people Reification Error

• treating ideas, constructs, and people as objects

Examples of Common Cognitive Biases

Using Emotion To Help Overcome Bias

- Your biases may cause you to miss bugs
- An emotional reaction is a trigger to learning
- Without emotion, we don't reason well
 - check the psych literature
- When you find yourself mildly concerned about something, someone else could be very concerned about it

An emotion is a signal; consider looking into it

Emotional Triggers

What might they be telling us?

- Frustration ⇒ a poorly-conceived workflow?
- Amusement ⇒ a threat to someone's image?
- Surprise ⇒ inconsistency with expectations?

- Boredom ⇒ an uninteresting test?

Our clients are human

- *Our* humanity as testers helps to reveal important information about our products.
- Emotions provide a rich source of oracles principles or mechanisms by which we recognize problems.
- I'll wager that any time we've seen a bug, our emotions were a big factor in recognizing or interpreting it.
- Why do so many in our profession seem to be so oblivious to the value of emotions?