

## The Neuroscience of Bias

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How Many Lewis Hamiltons have you missed out on?









## **Diversity**

Having a seat at the table.

## **Inclusion**

Having a voice at the table.

## **Bias**

Why some voices are amplified, while others are muted.

## Which Statement is True?





- Men are more likely to die during natural disasters.
- Women are more likely to die during natural disasters.
- Men and women are equally likely to die during natural disasters.

## Which Hurricanes are Deadlier?



A Hurricanes with male names.

B Hurricanes with female names.



## **Bias in Decision Making**





#### **Expansive Mind**

Fast

Unconscious

Automatic

Everyday decisions

Error prone

#### **Detail Mind**

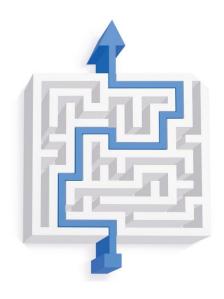
Slow

Conscious

Effortful

Complex decisions

(More) reliable



### Why Do We Have Bias?





Our senses collect around bits of information per second about the world around us.

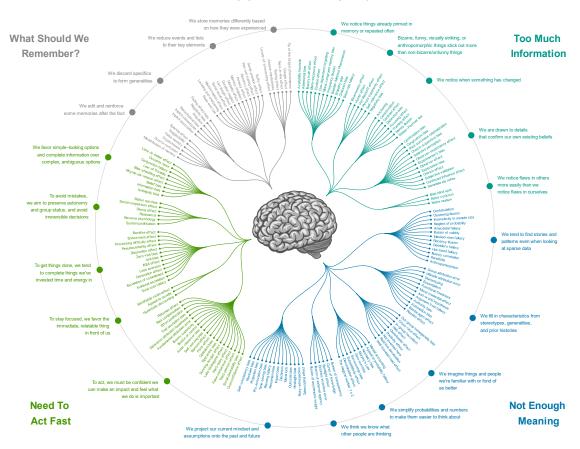
Our conscious brain can process around

bits of information per second.



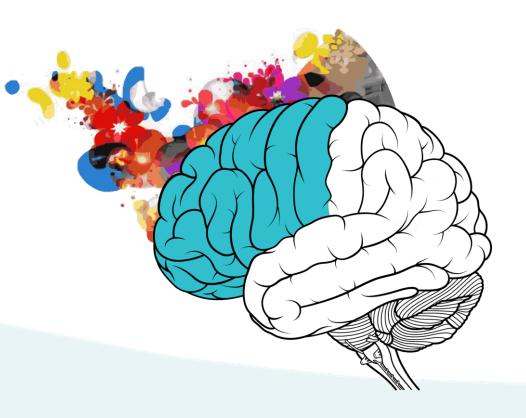


#### THE COGNITIVE BIAS CODEX



## Beating our Biased Brains

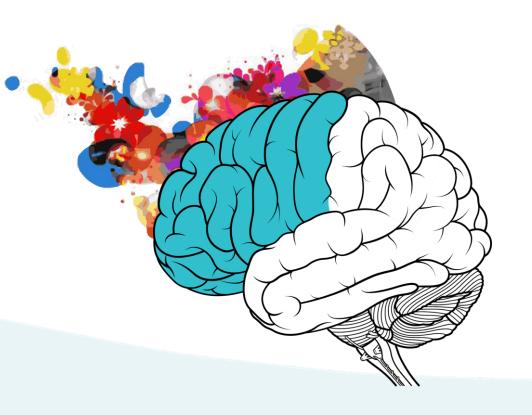




The frontal cortex allows you to do the harder thing, when it's the right thing to do.

## **Beating our Biased Brains**





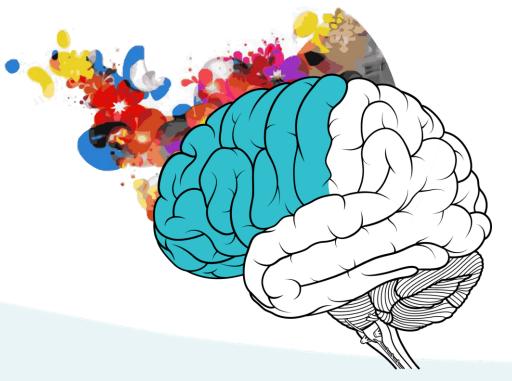
Appoint a devil's advocate to challenge each other's biases

Add diverse perspectives whenever possible

Use socratic questions to facilitate conversations about bias

## **Examples of Socratic Questions**





- What makes you say that?
- Could you explain further?
- What evidence is there to support your opinion?
- What is the counter-argument?
- Why is this better than the alternative?

# Thank you! The Neuroscience of Bias

