What Do I Research? Depression

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What Do I Research?

Depression
What Do I Research?

Depression = Disordered Emotion Regulation
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• It is the leading cause of disability worldwide.
  – 300 million experience episodes yearly.

• It is a major contributor to the overall global burden of disease.
  – 800,000 people die due to suicide every year.
Depression = **Disordered** Emotion Regulation

What Do I Research?

- Attention
- Memory
- Concentration
- Cognitive Control
What Do I Research?

Neuroscape, UCSF. Glass Brain images/videos are not available for commercial use or distribution.
• **Sustained Attention and Depression**

  – Participants see individual digits from 1 to 9.

  – Participants press a button to every digit except 3, in which case they have to **STOP** responding for the trial.
How Do I Research?

- Participants who had the fastest responses performed the worse.
- As Go reaction time speeds up error rate in NoGo trials increases.

$R^2 = 0.1578$
How Do I Research?

• Sustained Attention and Depression

![Graph showing time intervals and brain activity related to sustained attention and depression.](image)

- No-Go P3
- No-Go Late Positivity
- No-Go
What Do I Find?

- Depression often affects the efficiency of responses.
  - Depression did not influence accuracy or reaction time.
  - Depression increases the neural resources needed to perform the task.

![Graph showing the relationship between No-Go P3 Amplitudes and Depression Levels. The equation R² = 0.0913 is displayed on the graph.](image)
Why Do I Research?
Thank You

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