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Facilitating treatment of bi-polar disorder.

BIPOLAR DISORDER



1 in 50

Canadians reported symptoms consistent with
bipolar disorder at some point in their lifetime



Counselling sessions
only measure snapshots in time.



Journal Therapy is prescribed between counseling sessions to document mood experiences, but **time-consuming for counselors to review** before next appointment.





Sentiment analysis with AI can quickly & quantitatively assess “mood” from text.



Sentiment

“I am happy today”

positive

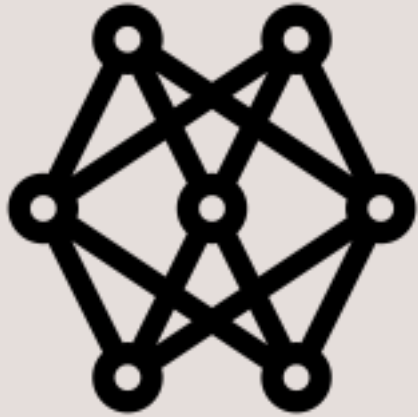
“I am sad today”

negative

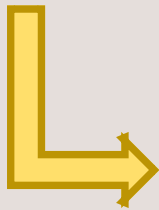


Sentiment Analysis

“I am happy today”



Recurrent Neural Net



Sentiment

A thick yellow L-shaped graphic is positioned on the right side of the slide, forming a corner that frames the title and subtitle.

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Team 14 Demo

Social Impact



COUNSELORS: GREATER
UNDERSTANDING OF PATIENT
PROGRESS IN LESS TIME



PATIENTS: BETTER
TREATMENT



CANADA: LOWER MENTAL
HEALTH BURDEN

Implementation and Adoption

- Cooperate with **research groups** (ie. NSERC-Engage grant)
 - *Reduce biases in data*
 - *Improve user experience (ie. gamification opportunities)*
- **Counselor champions** for adoption
- **Government funding**
 - *Ontario Centre of Excellence grants*
 - *Federal Government funding for Mental Health and Addictions*

Future Features

- Be able to derive sentiment from **handwritten notes and photos**
- **PHIPA compliant** for health data privacy and security concerns
 - *Large amounts of data to identify trends*