

Preprocessing
Feature Extraction



Trained Machine
Learning Models



Applied on
Test Dataset

Exploratory Analysis Dataset Visualization

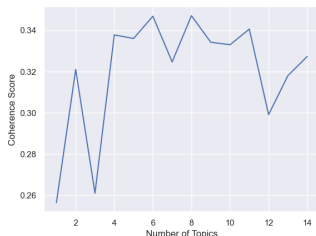
Training CSSR Dataset



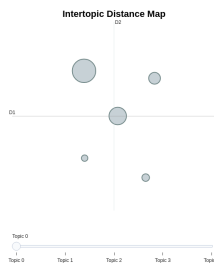
Suicide Categories

- Ideation
- Behavior
- Attempt
- Indicator

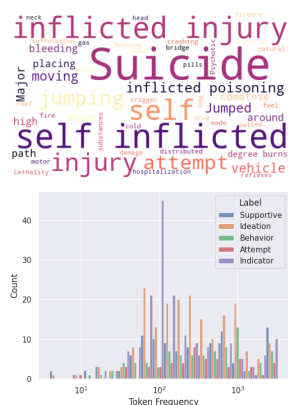
Optimal Num of Topics



Topics Similarity



Suicide



Depression



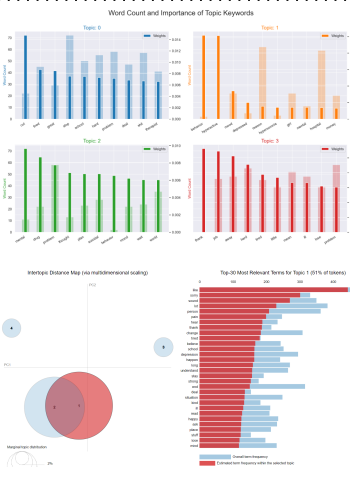
Test Reddit Dataset



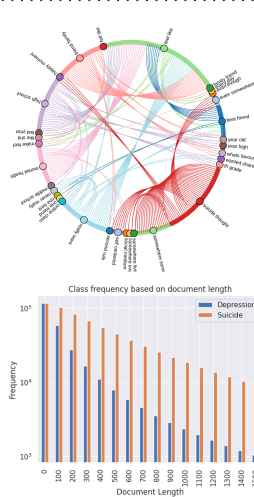
- suicide
- non-suicide

Depression Suicidal Risk

LDA Dominant Key terms Visualization



Word Network and pattern Visualization



Suicidal Risk Estimation

