NLP and Classification in Dating and Relationship Advice Subreddits

How can we classify texts based on the differences in words used by people who are looking to date and people who are in relationships?
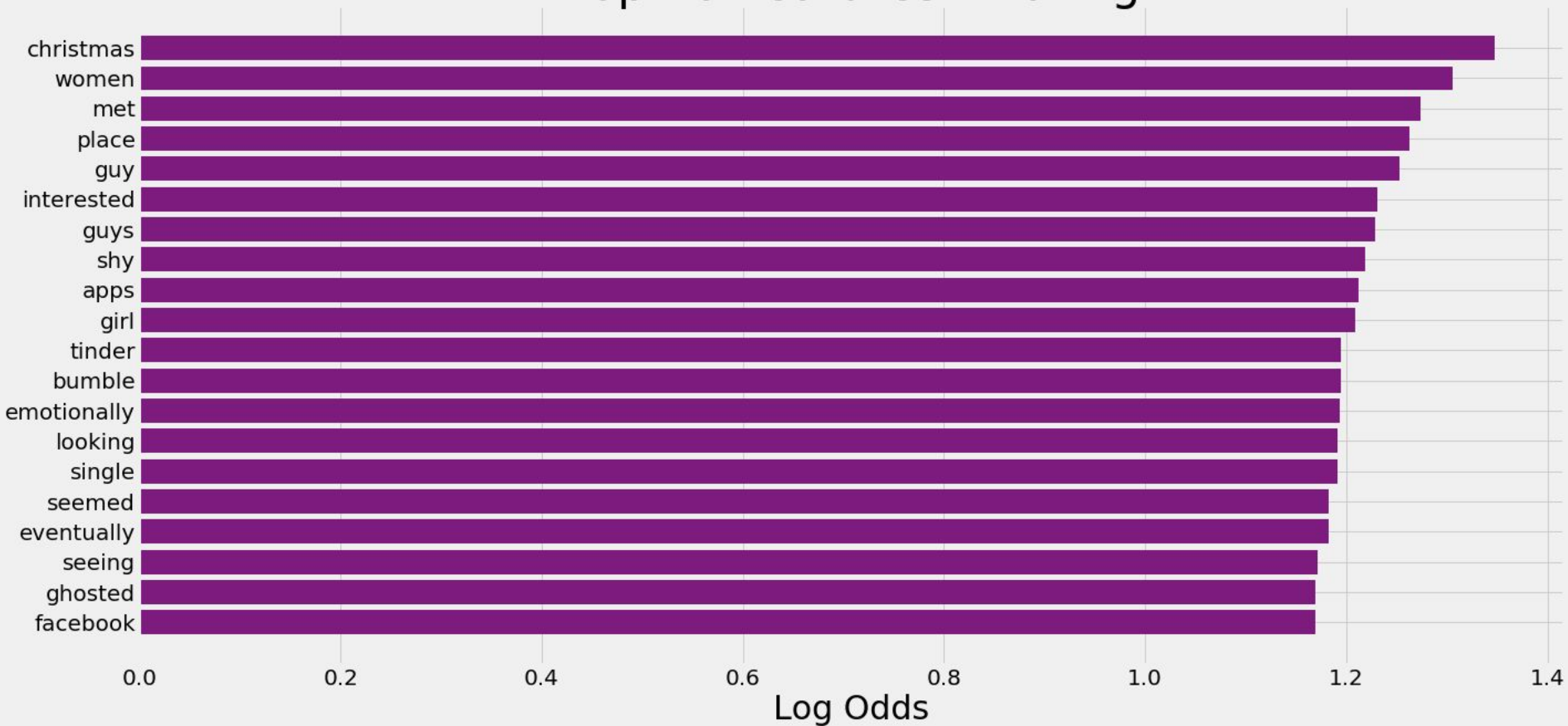
Daniel Kim

Quick Facts:

- 40% of Americans use online dating

- 20% of current committed relationships in 2018 started online

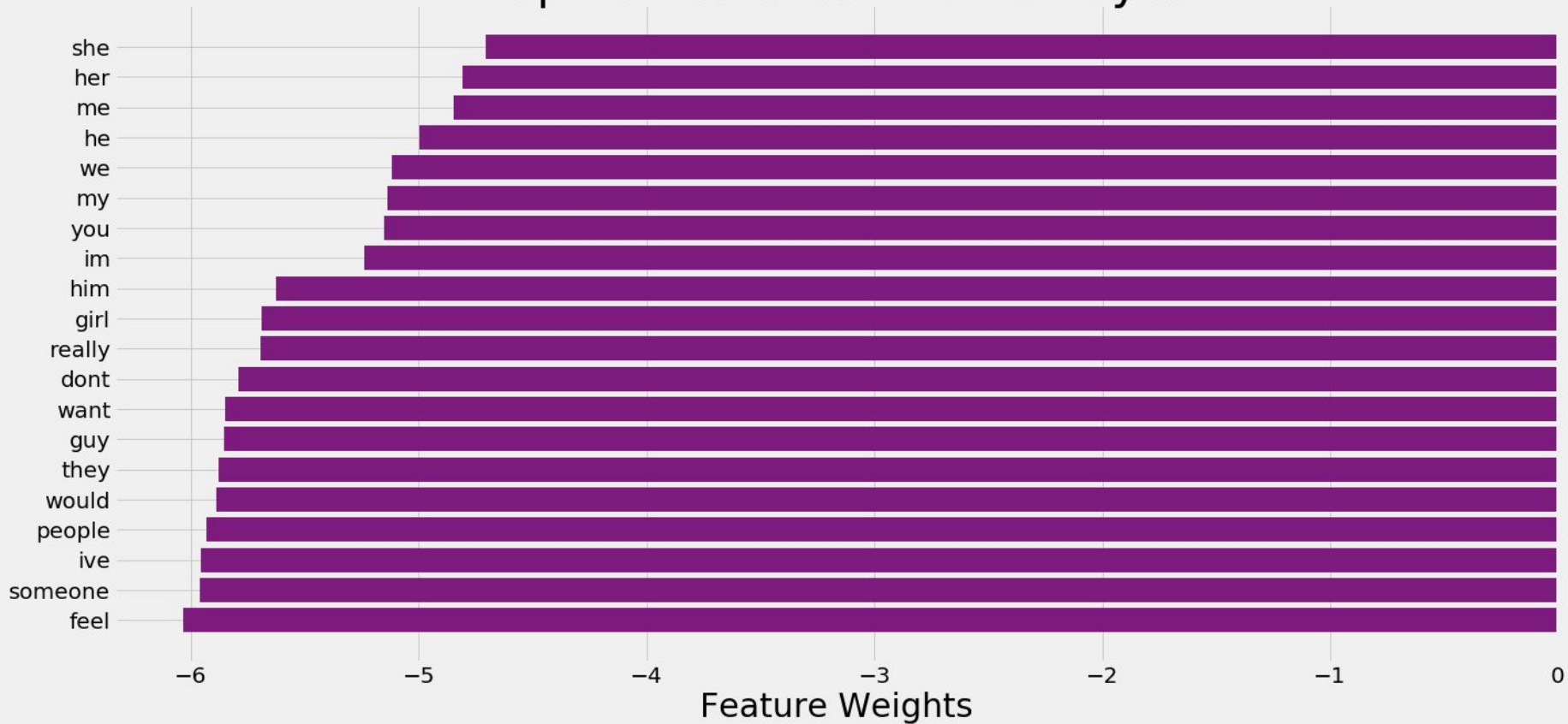- 17% of couples who married within the last year met online

Subreddits

Dating - posters share stories and vent about dating experiences

Relationship Advice - stories are **more serious**, people are looking to save long-term relationships
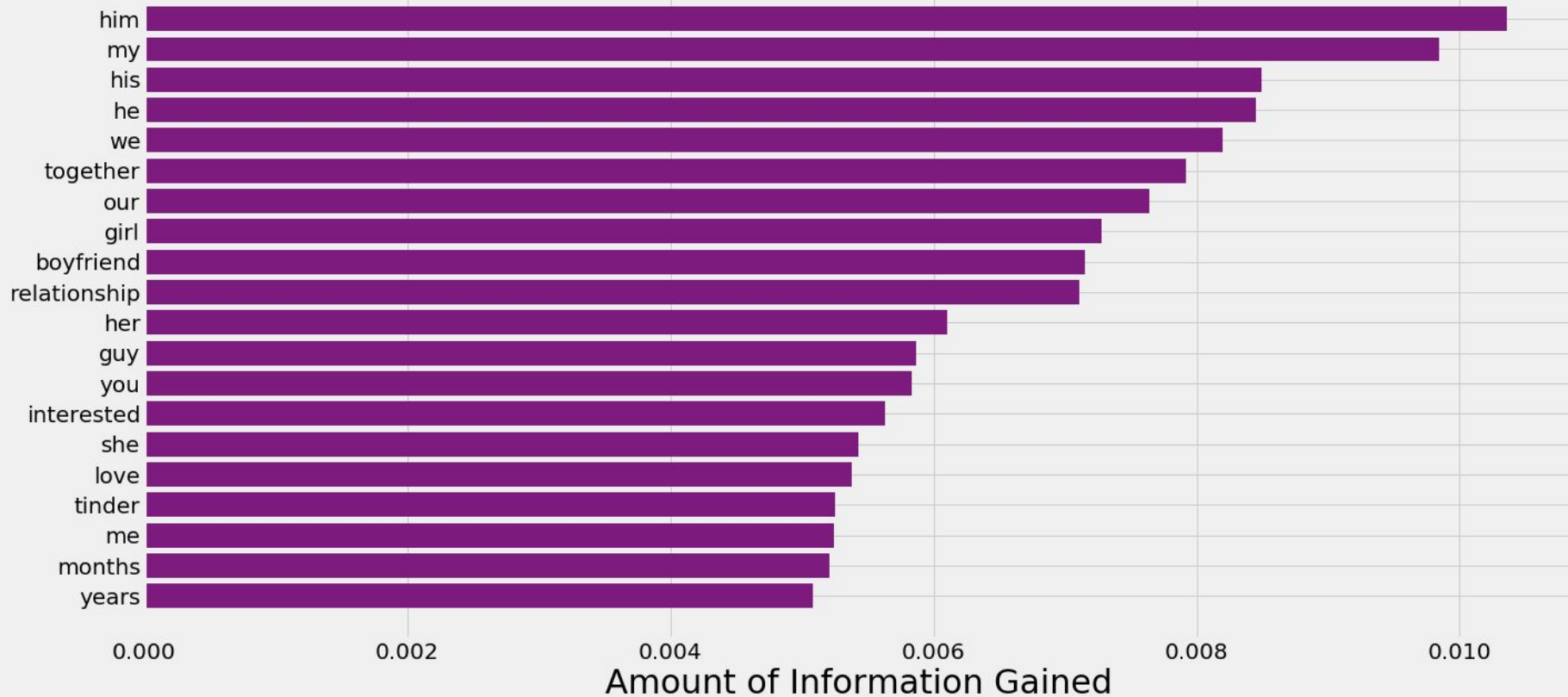
Top 20 Features - Dating

Top 20 Features - Naive Bayes

Top 20 Features - Random Forest

Sentiment Analysis