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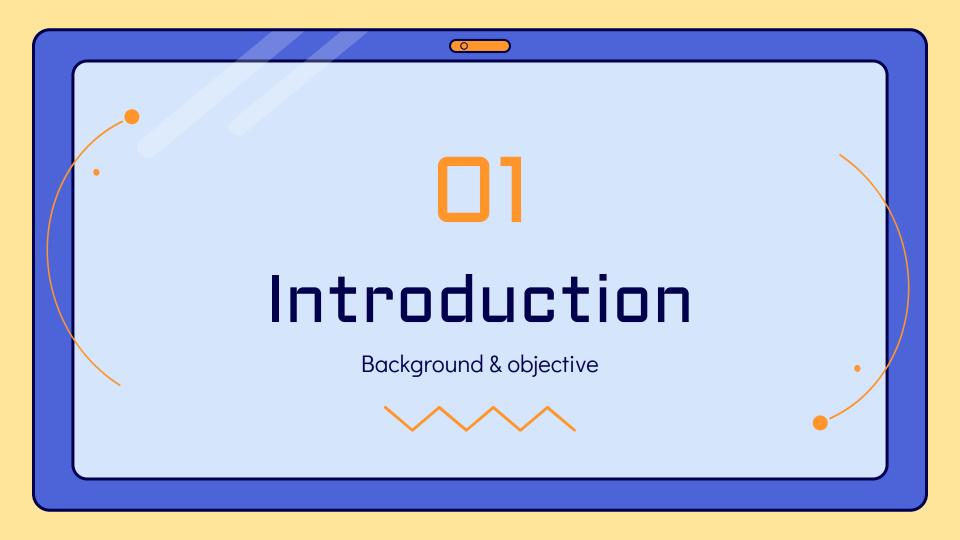
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reddit

Background

- Social news discussion website
- Contents posted by registered members
- Upvote & downvote
- More upvotes appear towards the top

Objective

Collection

Collect posts from 2 subreddits using Reddit's API



Prediction

Use NLP to train a classifier on which subreddit a given post came from







Stopdrinking

A place to motivate each other to control or stop drinking



Keto

A place to share experiences around eating within a Ketogenic lifestyle



Total number of posts scraped

1737

Total number of unique posts

742

995

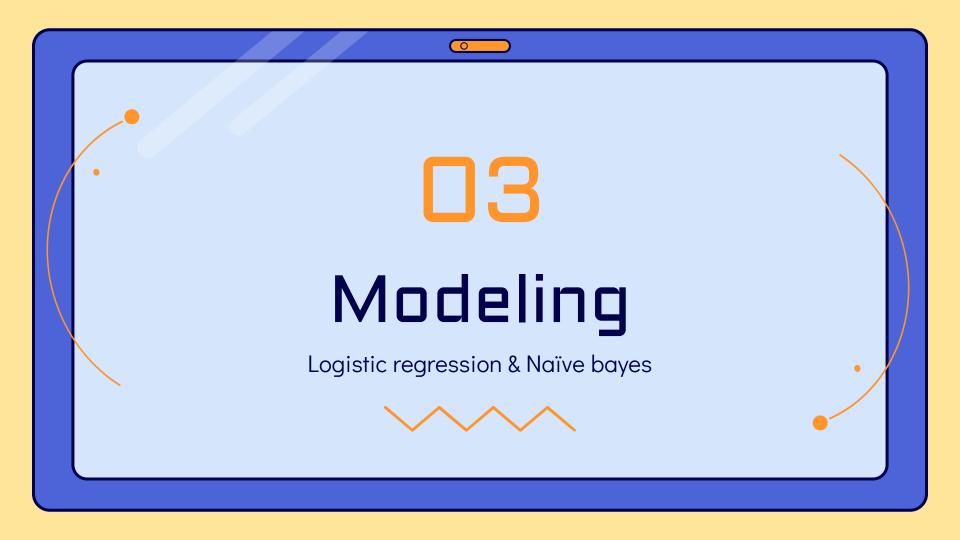
From Keto

From Stopdrinking

Cleaning & preprocessing



- Remove Url, non-letters
- Split into individual lower case words
- Remove stopwords
- Remove subreddit and words closely related





Models & Transformers

Log reg with count vec

Train score	Test score
0.9946	0.9609





Naïve with count vec

Train score	Test score
0.9800	0.9770

Log reg with Tfidf vec

Train score	Test score
1.0	0.9586





Naïve with Tfidf vec

Train score	Test score
0.9777	0.9494





Collection

1989 posts out of an intended 2000 and getting 1737 unique posts for analysis



Prediction

2 models are successfully fitted, tuned and tested. Best model: Naïve bayes with count vectorizer at a test score of 0.977.

THANKS!







Do you have any questions? oscargsh@yahoo.com.sg GA DSI 22

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