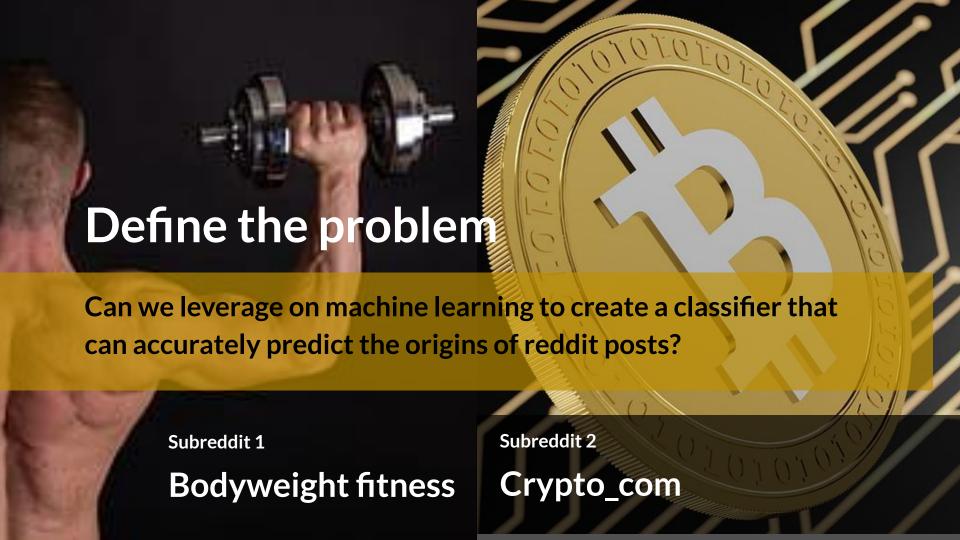


- Define the problem
- Obtain the data
- Explore the data
- Model the data
- Evaluate the model
- Respond to the problem





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https://api.pushshift.io/reddit/search/submission/?subreddit=Crypto_com (Submission)

b)https://api.pushshift.io/reddit/search/comment/?subreddit=Crypto_com (Comments)



Bodyweight fitness

a)https://api.pushshift.io/reddit/search/submission/?subreddit=bodyweightfitness (Submission)

b)https://api.pushshift.io/reddit/search/comment/?subreddit=bodyweightfitness (Comments)

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10,000 comments



Bodyweight fitness

9,898 comments

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Why I choose comments over posts

images



Crypto_com

text



Bodyweight fitness

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- Lemmatization (cards >> card, banks>>bank, boxes>> box)
- Added to stop words: 'com','don','got','ha','wa','going'



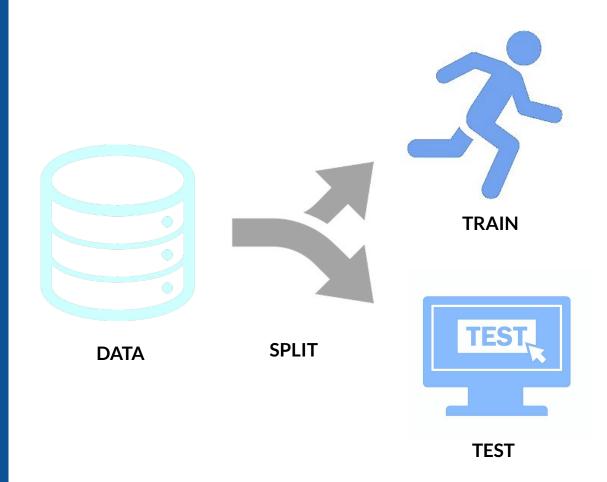
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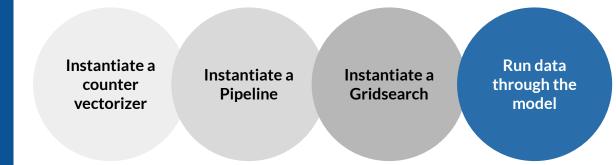
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Train Accuracy Score

96.32

Test Accuracy Score

91.29

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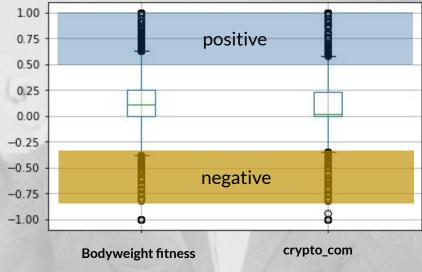
Best Model

Logistic Regression **Best Max Features**

10,000



Boxplot grouped by SENTIMENTS





SENTIMENTAL ANALYSIS

Good balance of positive and negative Diverse group of participants -from amateur to seasoned

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Conclusion

Logistic regression model - achieved the best scores

(train / test scores: 0.9632 / 0.9129).

Potential improvements for future



More training data



More data cleaning & preprocessing



More intensive gridsearching