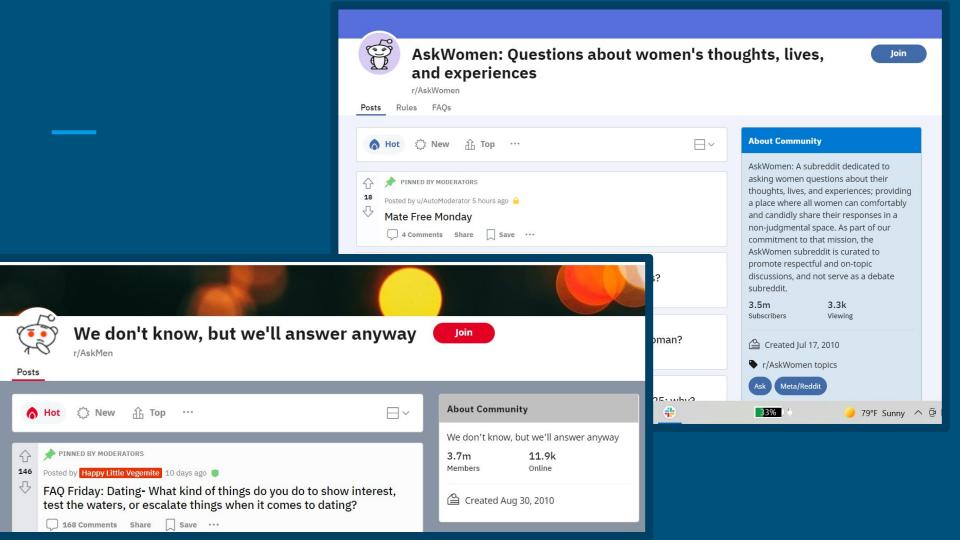
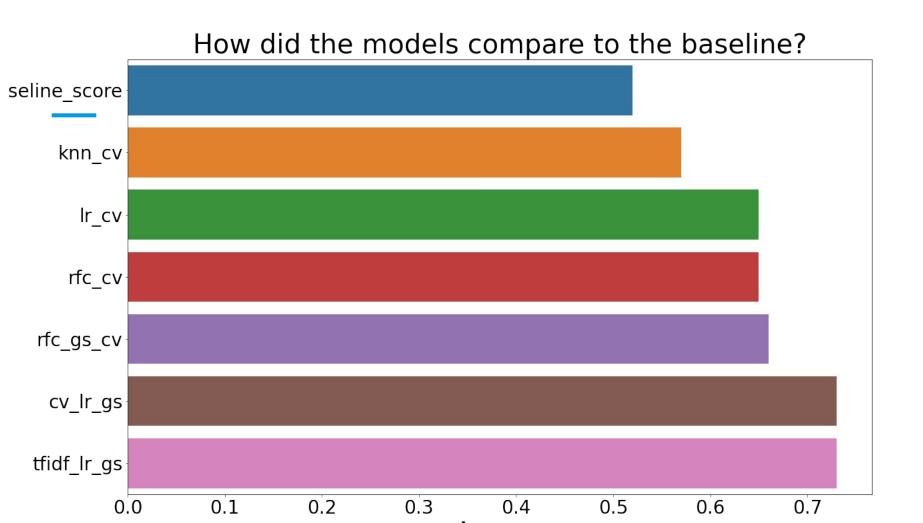
# Project 3: Web API's & NLP

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## Problem Statement

This project proposes a classification model that can more accurately identify the subreddit a post belongs to, based only on the title.





# Top 10 Predictive Words

stop_word = 'english'	stop_word = None
men	you
women	what
like	do
did	to
feel	how
woman	your
think	the
guy	is
girl	and
partner	of

## Conclusion & Recommendations

#### Conclusions:

- All models beated the baseline score, though non achieved an accuracy score higher than 72%.
- There was no difference between two vectorizers (CountVectorizer, TFIDFvectorizer).
- Keeping the stop words resulted better scores

#### Recommendations:

- Using GridSearched improved the accuracy score; expanding the GridSearch might lead to a better result.
- Gradiant Boosting might improve the model