


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.



AskWomen: Questions about women's thoughts, lives, and experiences

r/AskWomen

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Posted by u/AutoModerator 5 hours ago

Mate Free Monday

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About Community

AskWomen: A subreddit dedicated to asking women questions about their thoughts, lives, and experiences; providing a place where all women can comfortably and candidly share their responses in a non-judgmental space. As part of our commitment to that mission, the AskWomen subreddit is curated to promote respectful and on-topic discussions, and not serve as a debate subreddit.

3.5m
Subscribers

3.3k
Viewing

Created Jul 17, 2010

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We don't know, but we'll answer anyway

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Posted by [Happy Little Vegemite](#) 10 days ago

FAQ Friday: Dating- What kind of things do you do to show interest, test the waters, or escalate things when it comes to dating?

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About Community

We don't know, but we'll answer anyway

3.7m
Members

11.9k
Online

Created Aug 30, 2010

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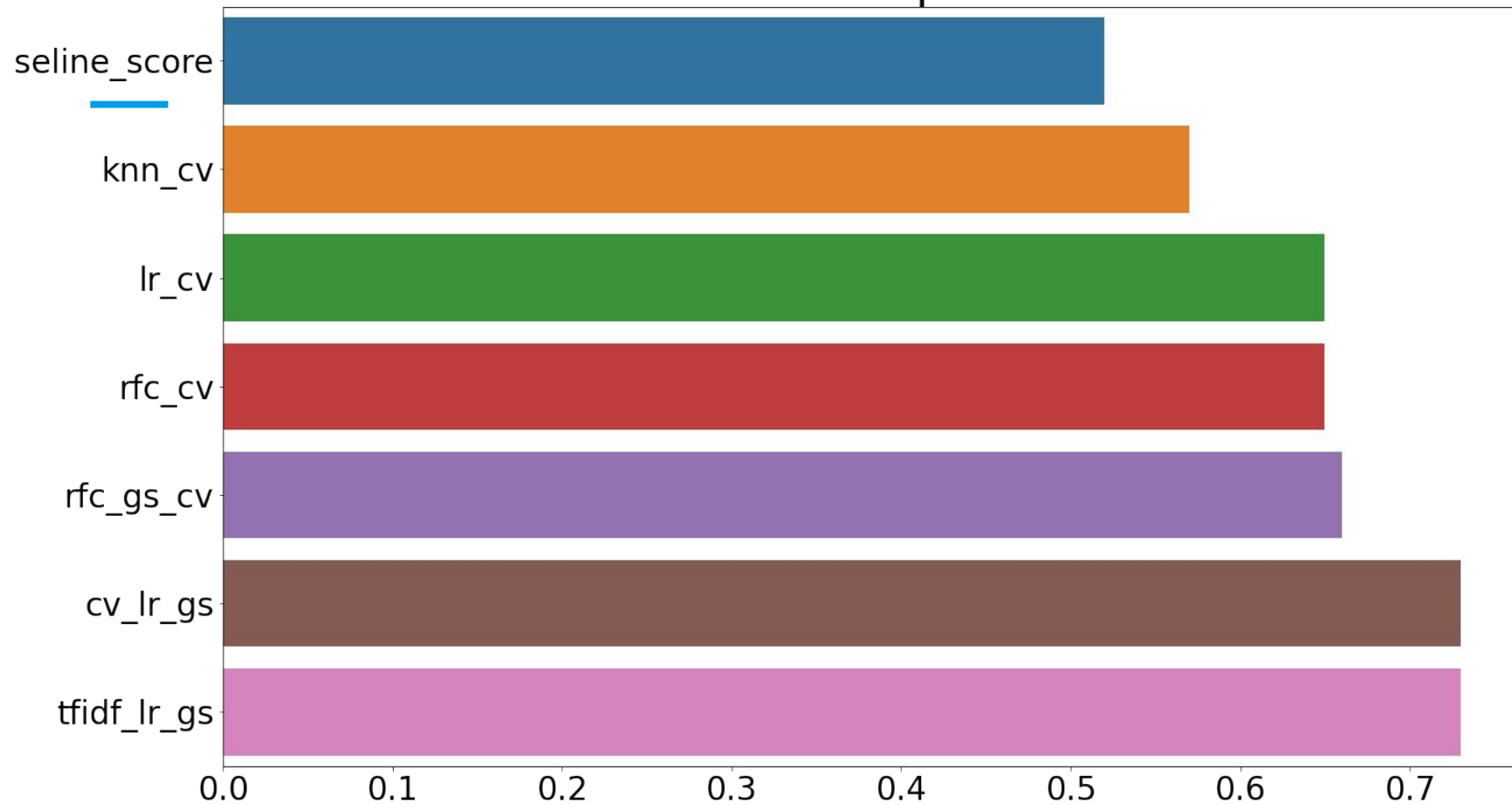
oman?

25: why?



33% 79°F Sunny

How did the models compare to the baseline?



Conclusion & Recommendations

Conclusions:

- All models beat the baseline score, though none achieved an accuracy score higher than 72%.
- There was no difference between two vectorizers (CountVectorizer, TfidfVectorizer).
- Keeping the stop words resulted in better scores

Recommendations:

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