Classifying Game of Thrones Subreddits

WINTE COMIN STARK

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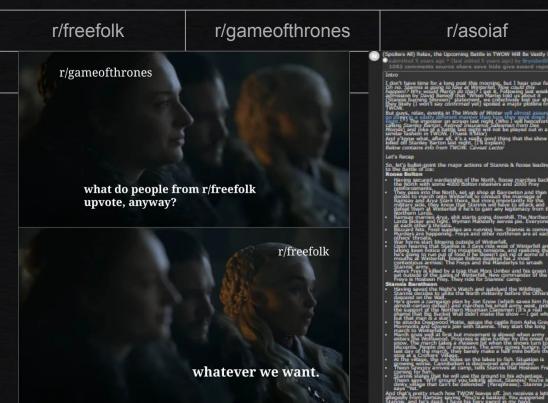
Problem Statement

 Reddit wants to remove redundant subreddits to streamline advertiser choices

- r/gameofthrones, r/freefolk, and r/asoiaf moderators insist that they are different spaces despite their shared topic
- To test this claim, we will see if we can predict the subreddit of a post

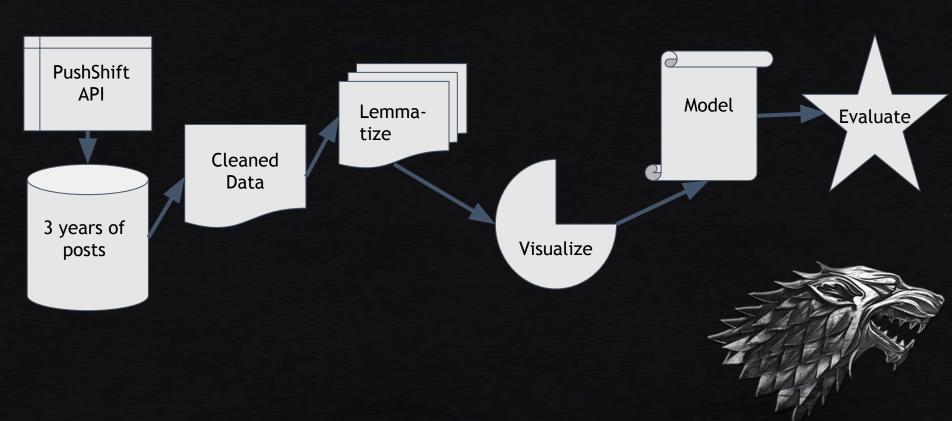


Introducing our Subreddits

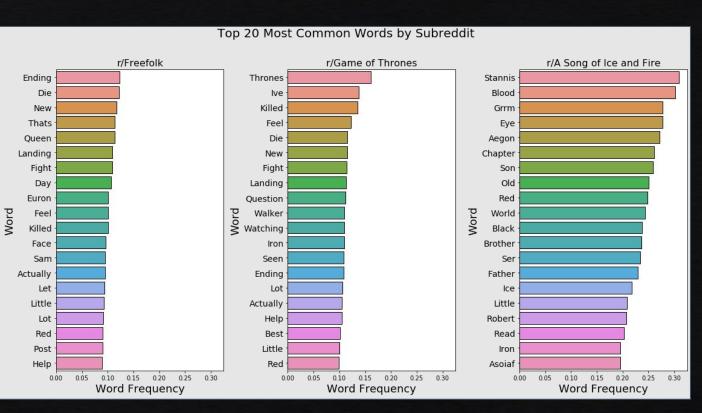




Workflow

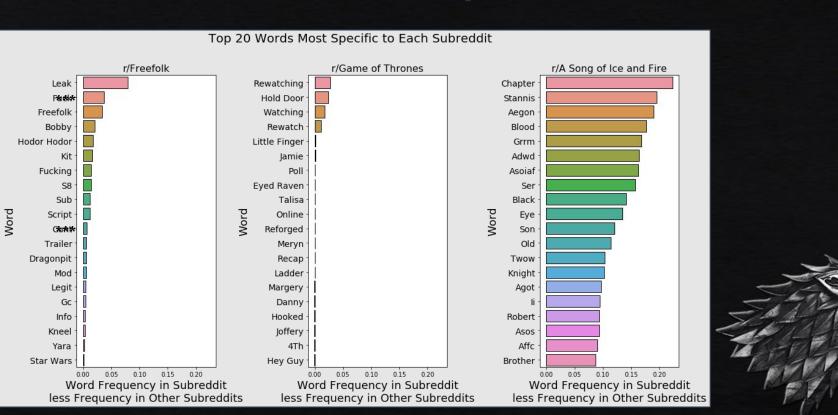


Are there Differences?

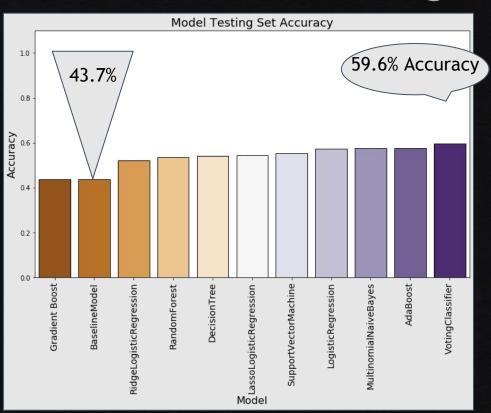




Subreddit-Specific Words



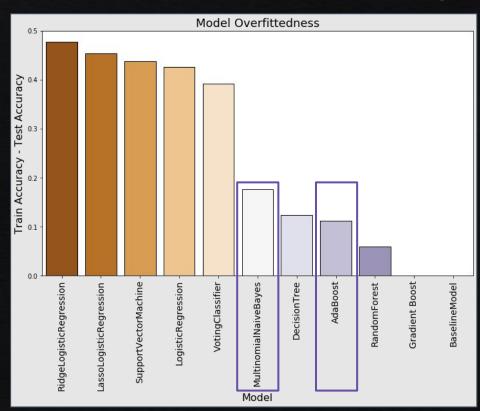
Modeling Results 1



Ensemble is our overall best model, with AdaBoost and Naive Bayes not far behind. Ensemble beat our

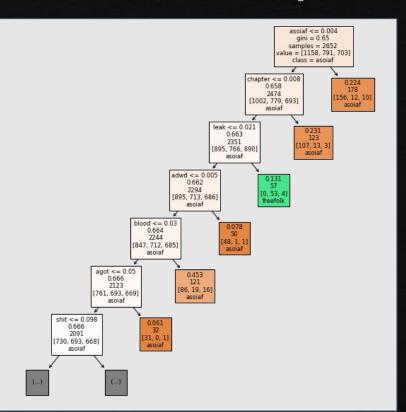


Modeling Results 2





Important Features





Conclusions and Recommendations

- We successfully beat the baseline of 44% accuracy
- r/gameofthrones, r/freefolk, and r/asoiaf have substantial differences and can continue to coexist

Further work to be done on hyperparameter tuning.

