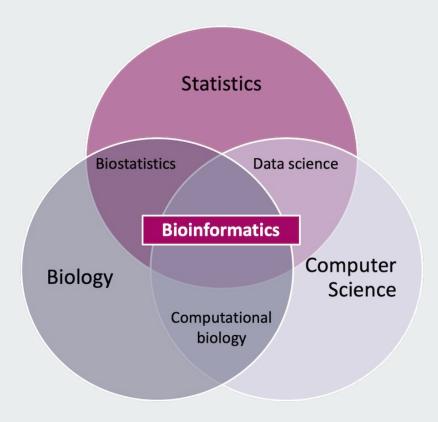
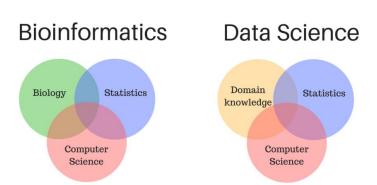
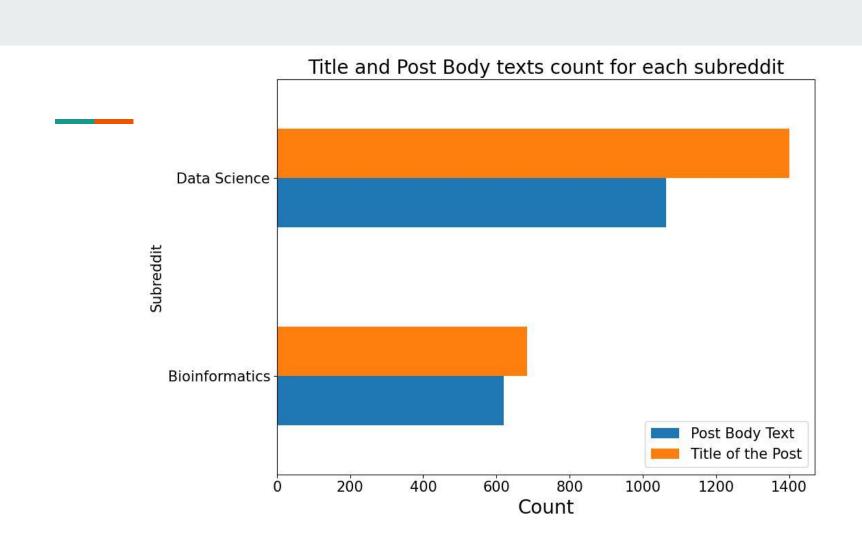
Project 3 Bioinformatics and Data Science Reddits



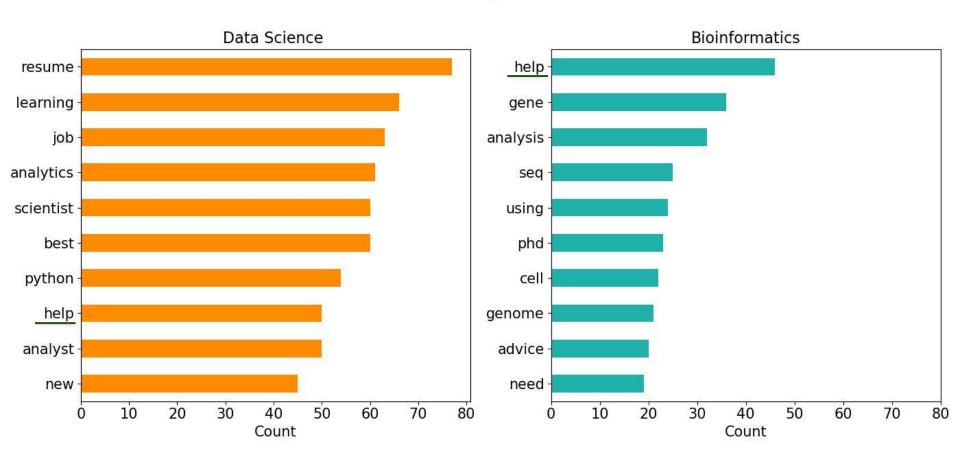
by Tatiana Patrusheva DSIR-1128

Find the model to differentiate Bioinformatics from Data Science Subreddits

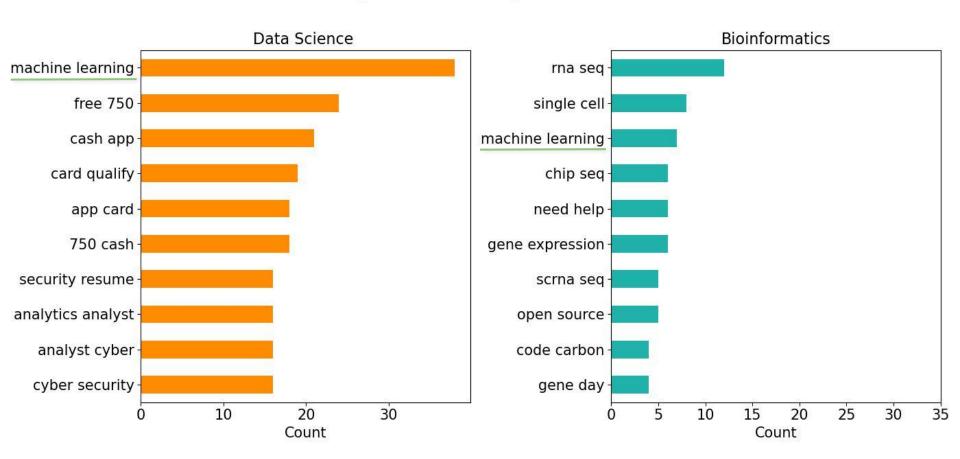




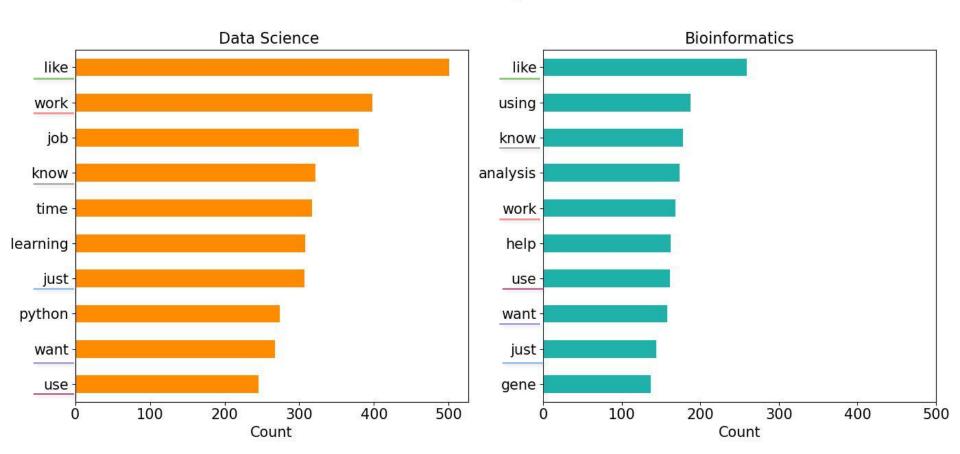
Titles Most Common Words (excluding data, science, bioinformatics, ds)

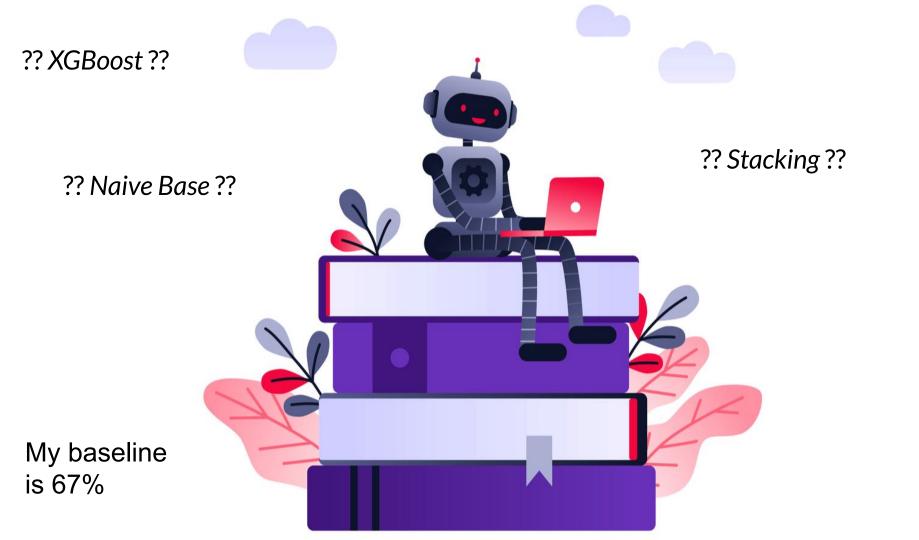


Title Most Common Bigrams (excluding data, science, bioinformatics)

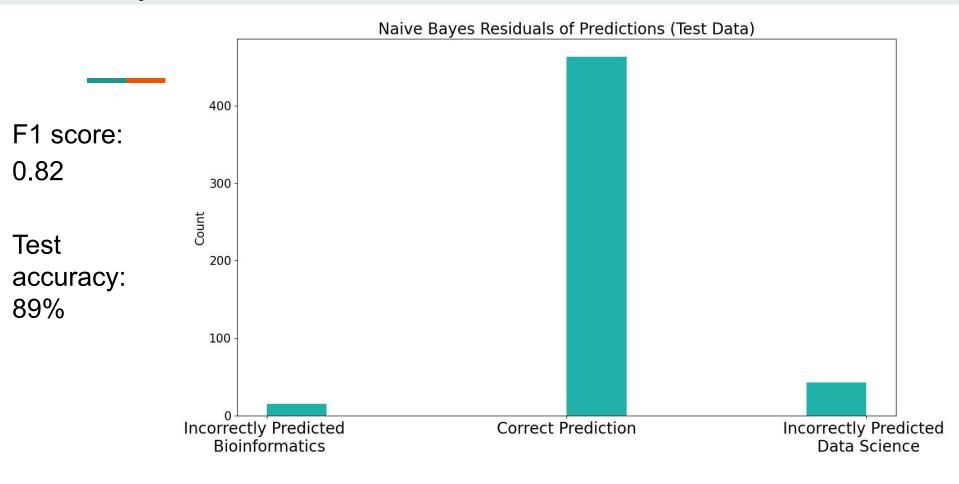


All Text Most Common Words (excluding data, science, bioinformatics)

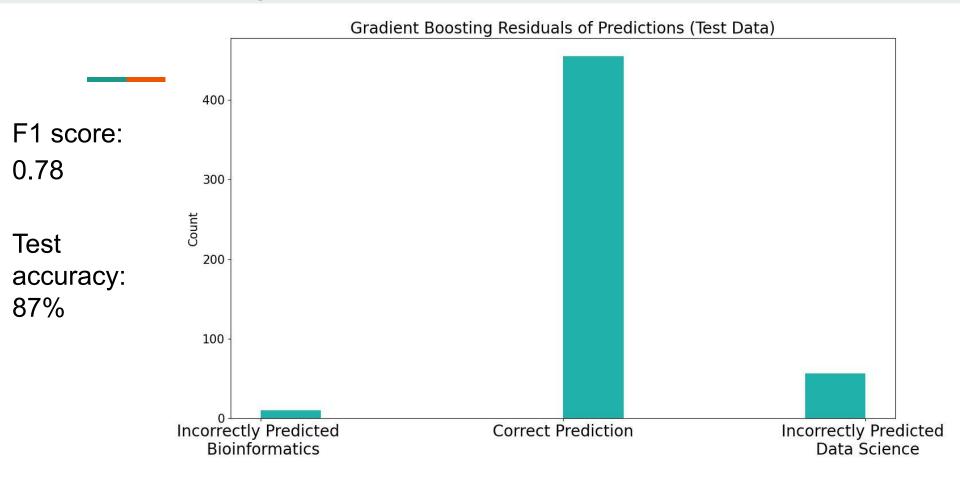




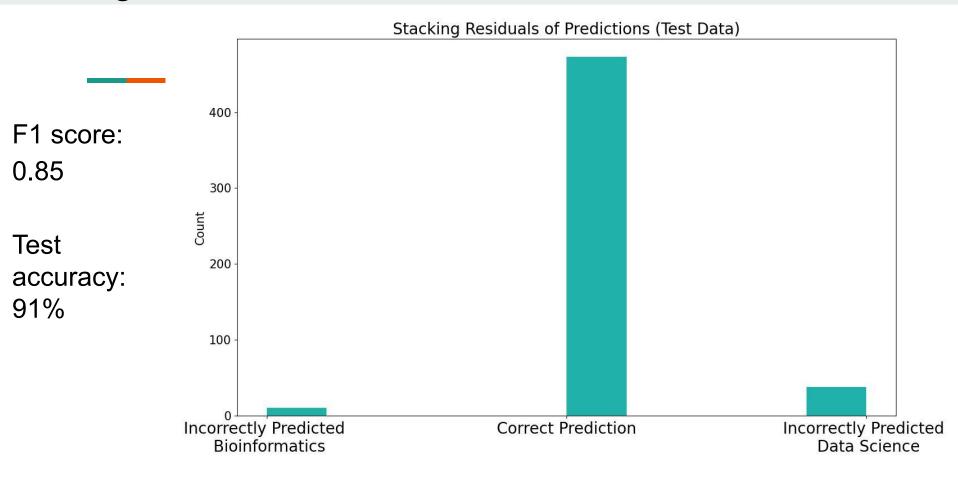
Naive Bayes best model



Gradient Boosting best model



Stacking Best Model



Conclusions

Best Model - Stacking with Tokenization

Recommendations

Data from different websites

 Balance between amount of time to fit and performance

Thank you!