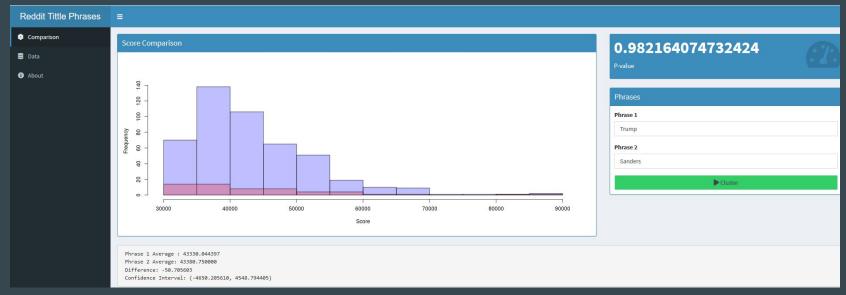
Title Phrase Comparison in the Politics Subreddit

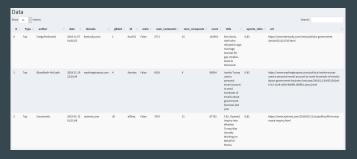
Cole Sanders

Summary

- Data is collected using the praw library and is collected from the top post from the politics subreddit
- We want to compare scores for different phrases that can be used in titles
- The model is a simple t-test comparison to see what the average difference between scores for each phrase
- Histograms for each score are plotted together to visualize spread of data
- Shiny App deployed to ShinyApps.io at https://cole-stats.shinyapps.io/Reddit-Tittle_Phrases/
- Github https://github.com/cgsanders/STAT418-Final

Sample Screen Shot

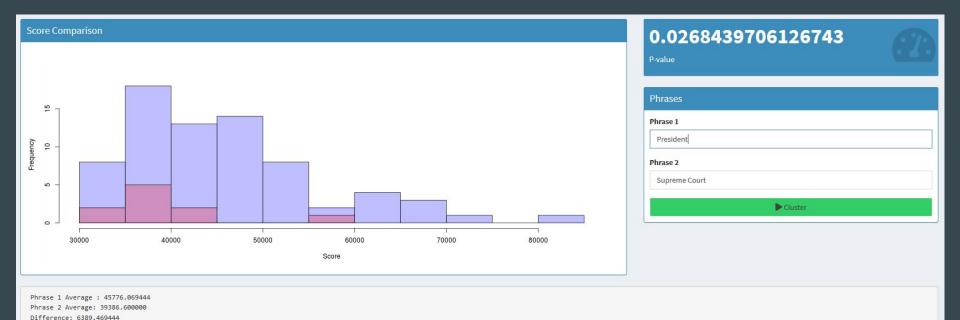




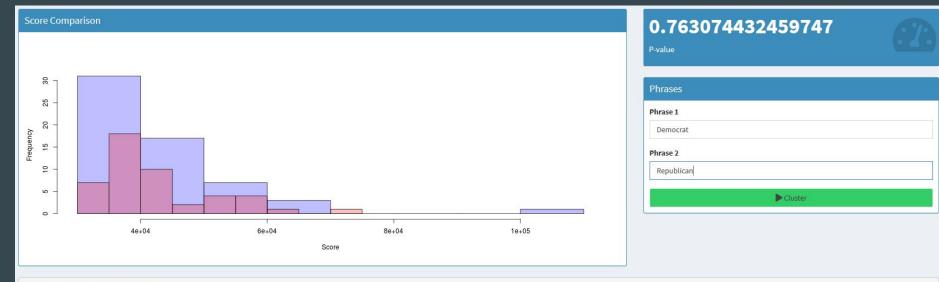
About this app
This app looks at the top 25,000 post in the Politics subreddit on Reddit and allows you to compare phrases to see the average score they recieve.
Details
We uses a separate process to joon query Reddit's public API to collect titles and scores for the top submission on the politics subreddit. We use this process to collect, structure, and save the data. We then uses this data in our shinny app to allow users to compare different phrases uses in their titles. A histogram overlaying the distribution of scores is shown for both.
Pvalues
in the top left corner a P-value is shown to allow you to gauge the statistical significance of the difference. Beliow the graph estimates and confidince intervals are given.
Creator
Cole Sanders

Example 1: President vs Supreme Court

Confidence Interval: (837.719805, 11941.219084)



Example 2: Democrat vs Republican



Phrase 1 Average : 42949.372881 Phrase 2 Average: 42355.702128 Difference: 593.670754

Confidence Interval: (-3301.528349, 4488.869856)

Example 3: McConnel vs Schumer

Phrase 2 Average: 40600.400000 Difference: 3506.308333

Confidence Interval: (-5271.515128, 12284.131794)

