How does bias on Reddit impact user exposure to world news?

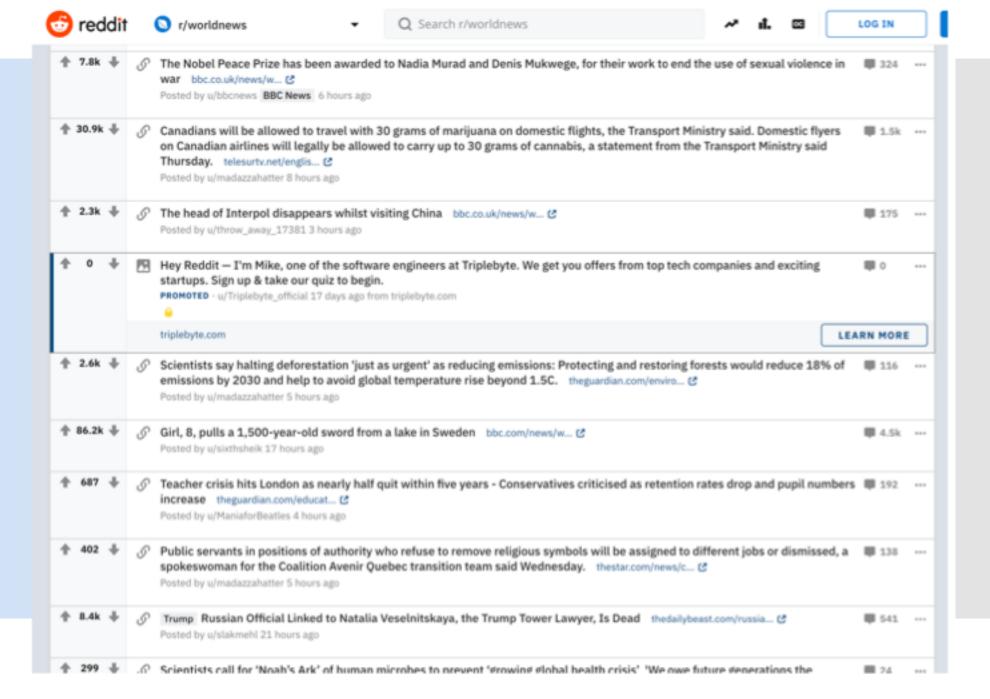
Metis, New York

10/11/2018

Emma Huang



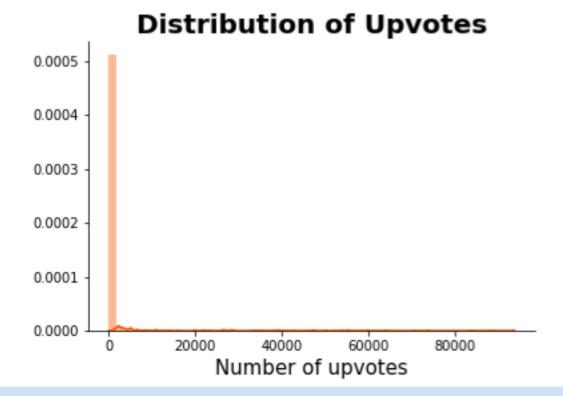
What is Reddit?



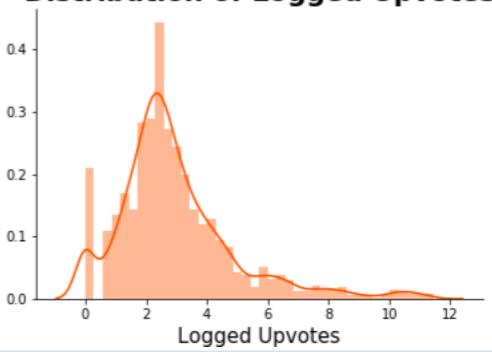
Analysis of the world news subreddit can give insight to Reddit's bias



Time of



Distribution of Logged Upvotes



Upvotes as a Target

Dealing with text data

• Says: 176

• China: 141

• New: 128

• Saudi: 107

• UK: 96

Russian: 86

Russia: 79

• Said: 77

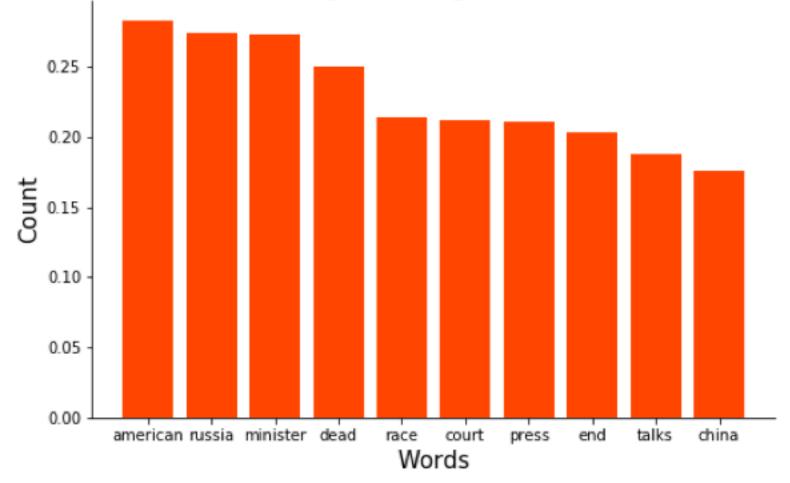
• India:72

• Trump: 70

Court: 68

• Climate: 66



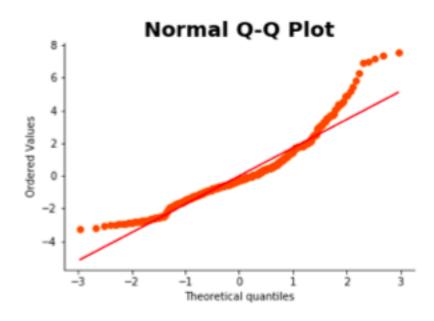


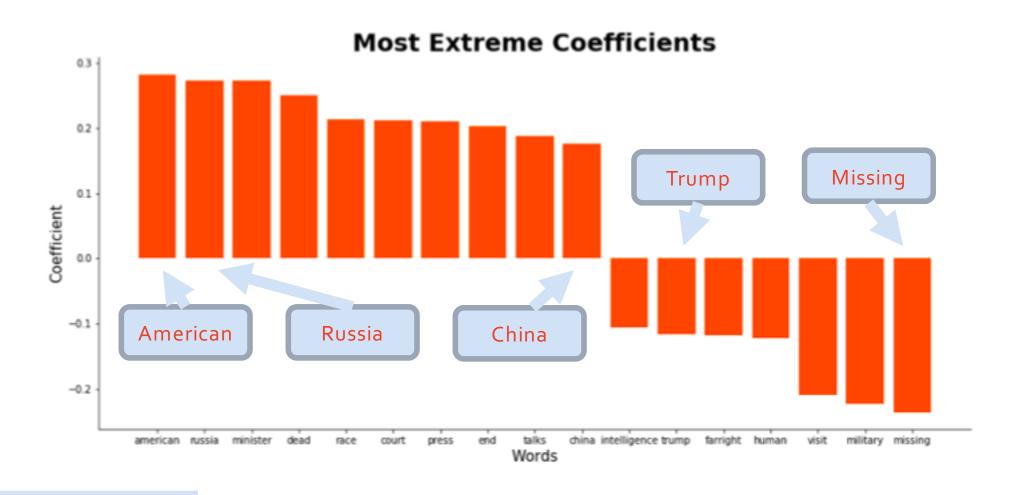
Modeling

- Cross Validation with Ridge
- Final Model Features:
 - Logged upvotes (target)
 - Restricted count word dummies
 - Length of the title (in words)
 - Age of the post (in seconds, excluding posts under 3 hours)

Modeling

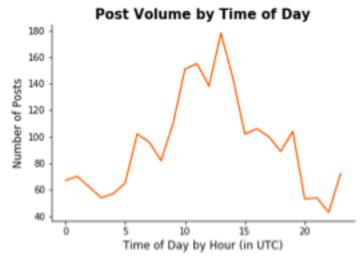
- Cross Validation with Ridge
- Final Model Features:
 - Logged upvotes (target)
 - Restricted count word dummies
 - Length of the title (in words)
 - Age of the post (in seconds, excluding posts under 3 hours)
- Training $R^2 = 0.139$, test $R^2 = 0.121$

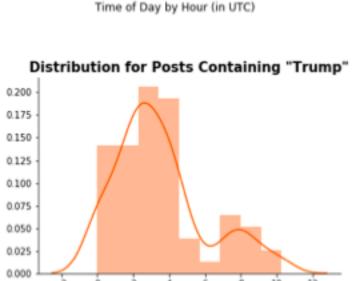




Certain Words do have bias on Reddit

Appendix 1





Logged Upvotes

Upvote Stats Summary

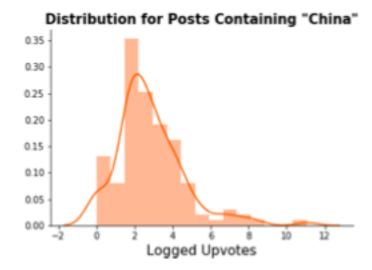
Mean: 853.191898 STD: 5967.414542 Min: 0.000000 2

5%: 5.000000

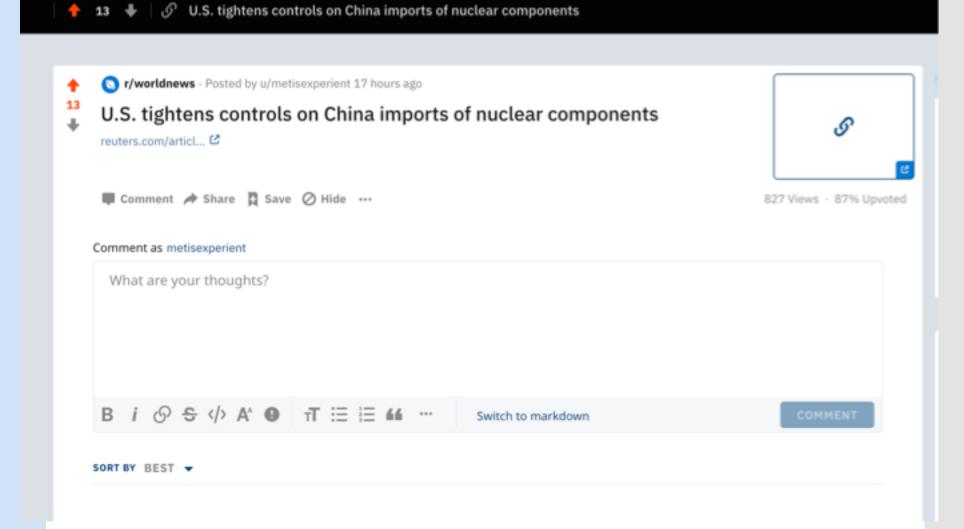
50%: 12.000000

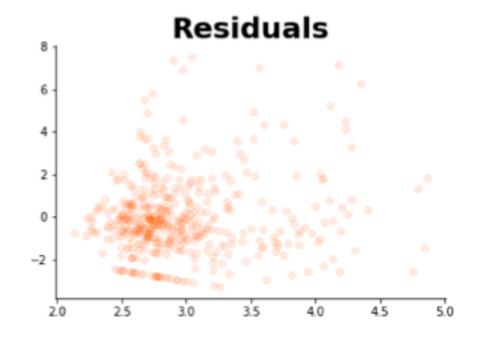
75%: 37.000000

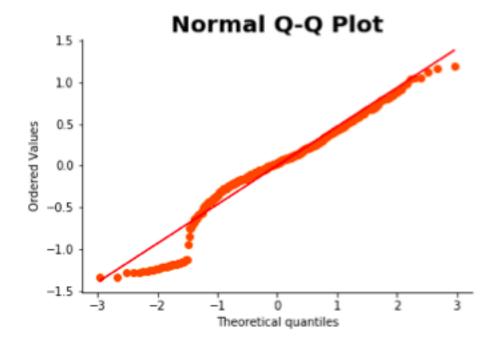
Max: 93700.000000











Appendix 3