



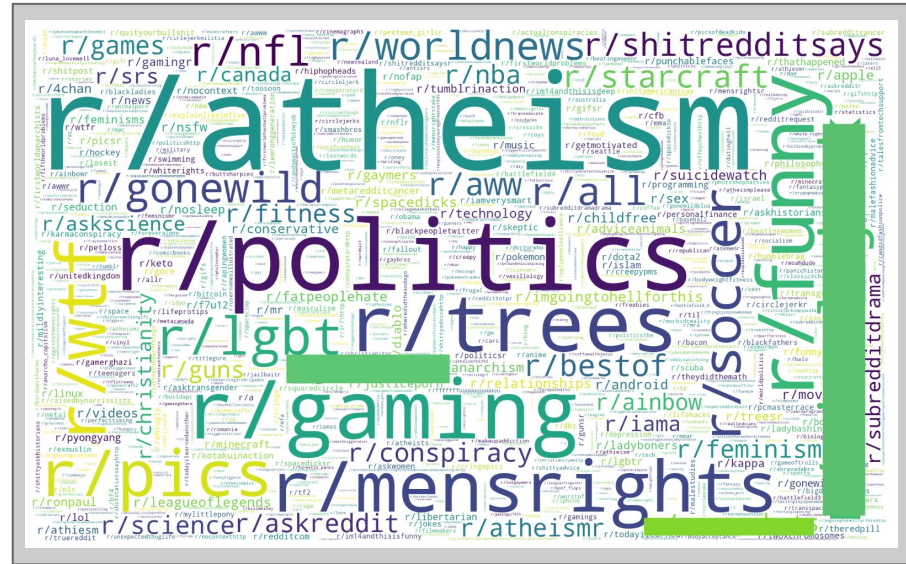
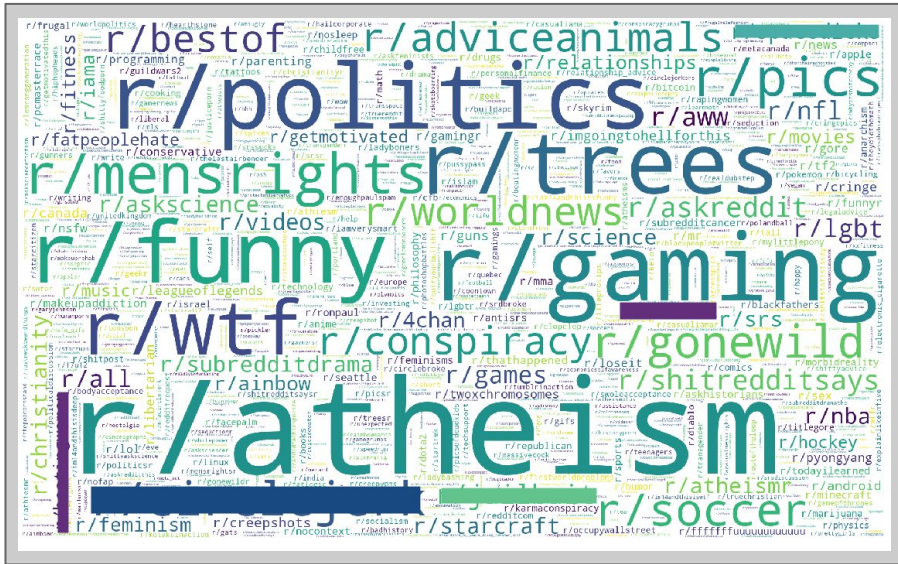
Predicting Reddit Comment Upvotes

FlatIron School- Module 4 Final Project



Purpose and Process

*Can we predict Reddit Comment
“scores” from the context of the
comment?*





Target Comments

Most Similar Words to ['data'] ignoring None

research: 0.8981
results: 0.8618
material: 0.8356
tools: 0.8325
technology: 0.8300
sources: 0.8249
progress: 0.8179
code: 0.8169
information: 0.8160
analysis: 0.8142

Parent Comments

Most Similar Words to ['data'] ignoring None

hardware: 0.8628
technology: 0.8485
results: 0.8403
devices: 0.8373
existing: 0.8316
code: 0.8275
currency: 0.8191
manufacturing: 0.8179
functionality: 0.8147
applications: 0.8118



Target Comments

Most Similar Words to ['data', 'science'] ignoring None

communication: 0.8487
scientific: 0.8339
research: 0.8318
ethics: 0.8279
programming: 0.8273
historical: 0.8264
source: 0.8105
analysis: 0.7995
knowledge: 0.7975
material: 0.7958

Parent Comments

Most Similar Words to ['data', 'science'] ignoring None

technology: 0.8774
metric: 0.8732
climate: 0.8385
scientific: 0.8262
capitalism: 0.8229
origin: 0.8217
code: 0.8185
research: 0.8138
mechanics: 0.8111
ethics: 0.8003



Target Comments

Most Similar Words to ['data', 'science'] ignoring ['politics']

software: 0.8677

code: 0.8065

hardware: 0.7795

functionality: 0.7764

wireless: 0.7553

technology: 0.7308

linux: 0.7254

variable: 0.7252

metric: 0.7197

digital: 0.7166

Parent Comments

Most Similar Words to ['data', 'science'] ignoring ['politics']

source: 0.8461

programming: 0.8058

format: 0.7790

code: 0.7631

content: 0.7622

progress: 0.7585

research: 0.7569

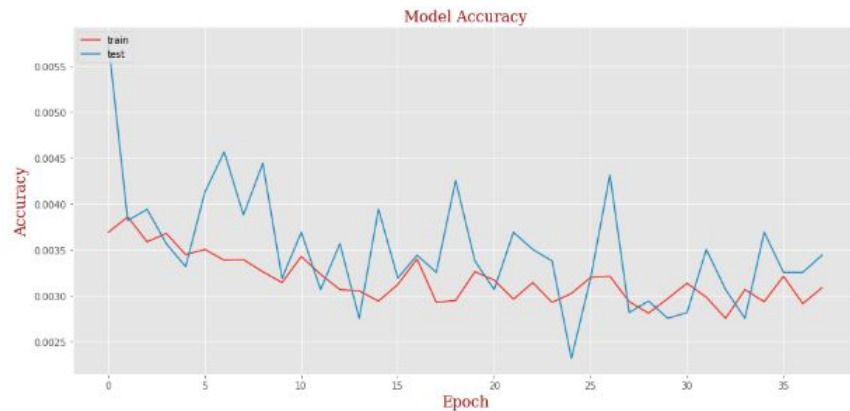
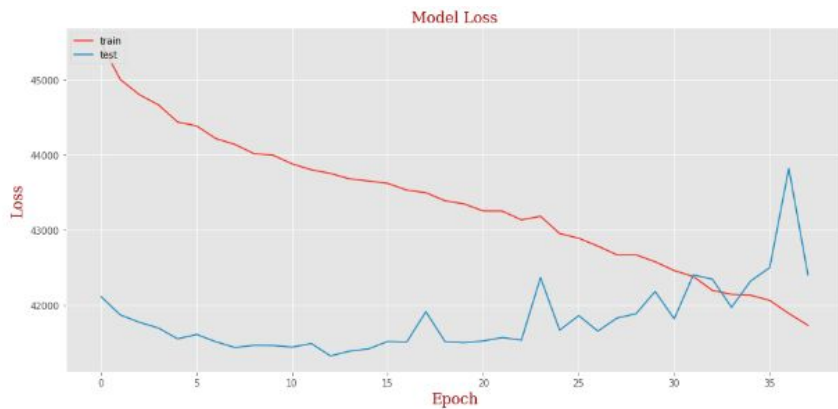
web: 0.7465

design: 0.7438

analysis: 0.7407

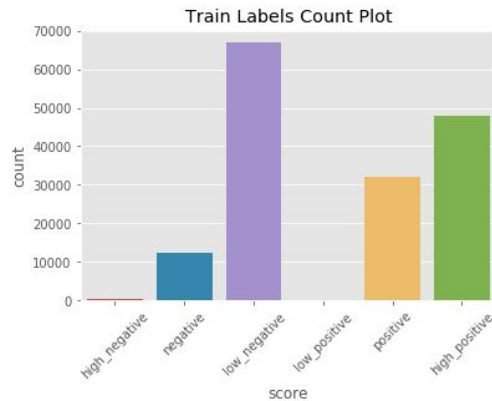
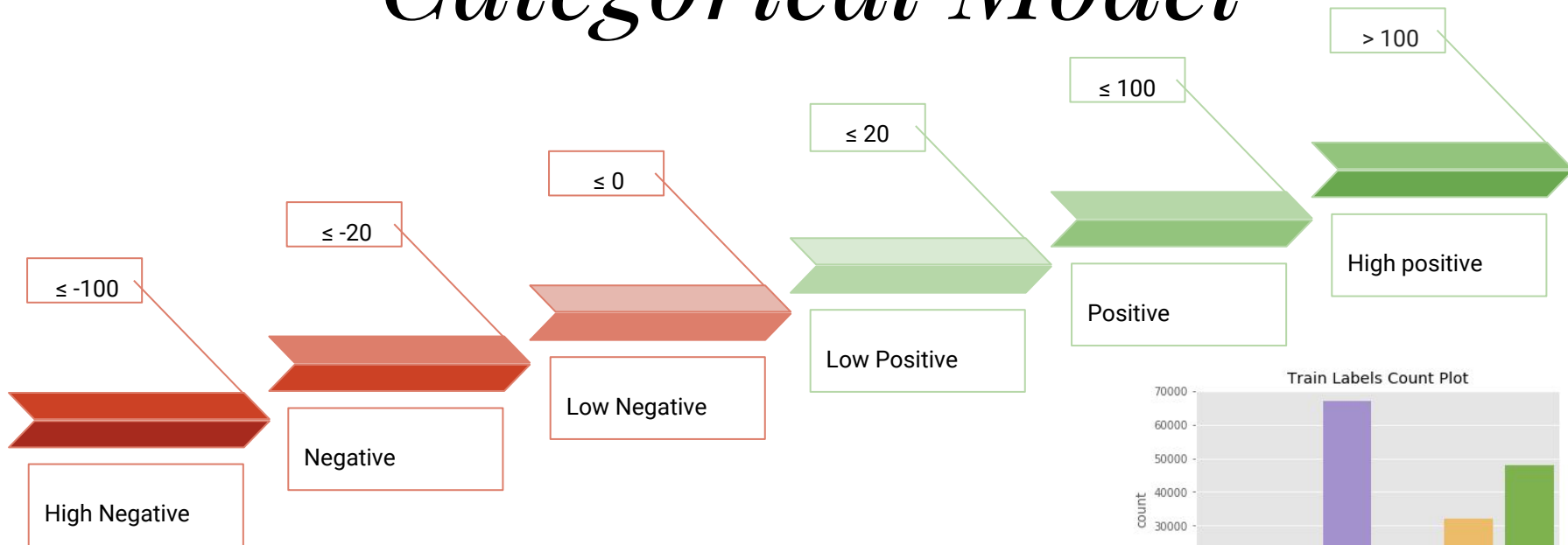


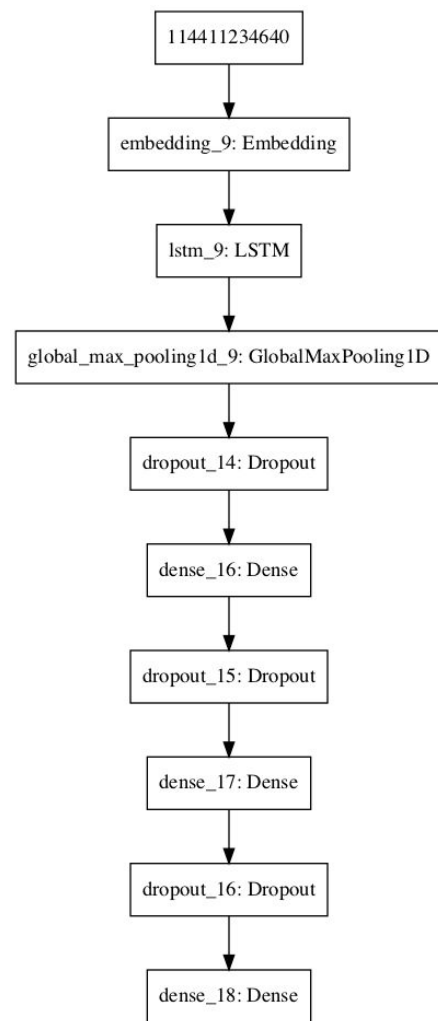
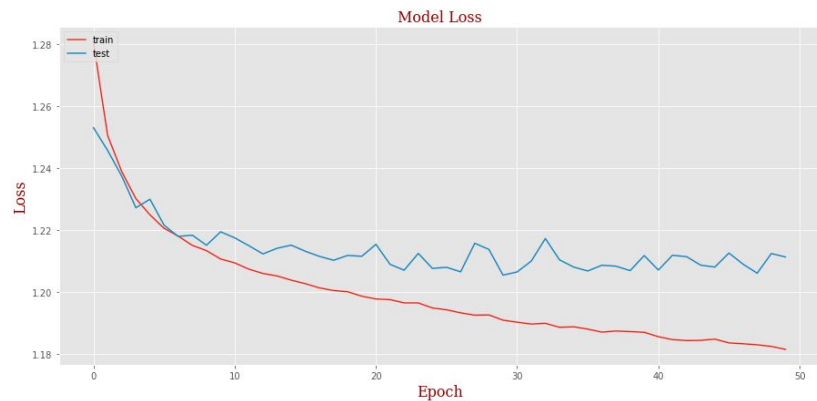
Linear Model





Categorical Model







Interpret

Canada is in the data, but not on your chart. -2 internet points for you!

Current score = 125

High Negative: 0.18%
Negative: 7.06%
Low Negative: 36.3%

Low Positive: 0%
Positive: 22.5%

High Positive: 33.8%

Could there be a more useless, confusing, and stupid, representation of 'whatever the OP was attempting to display? Yeah, no.

Current Score= -25

High Negative: 0.15%
Negative: 5.9%
Low Negative: 30%

Low Positive: 0%
Positive: 24.7%
High Positive: 38.7%



Next Steps

1. Work to improve our cleaner function to improve our data.
2. Add more inputs to our model such as parent comments, subreddit and maybe parent score
3. Combine the texts for word embedding to improve my weights



Thank You!

Any questions?