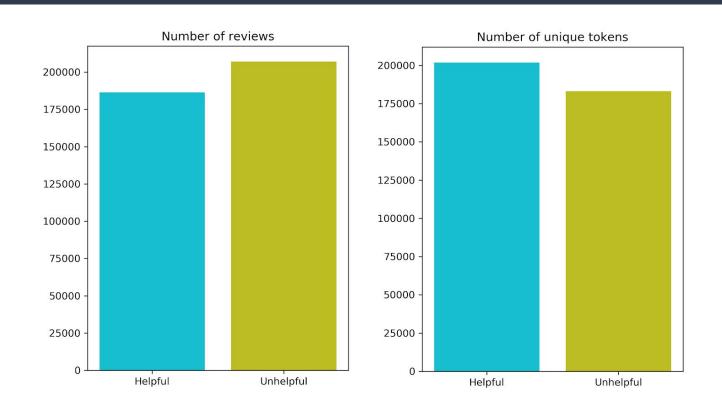
Predicting the "helpfulness" of product reviews

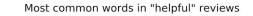
Jenny R. Kreiger, PhD January 21, 2020

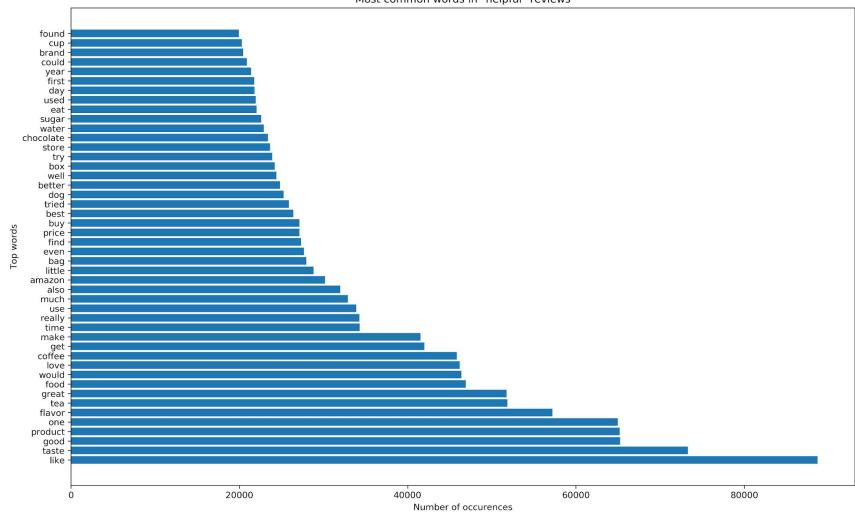
What makes a review helpful?



The dataset







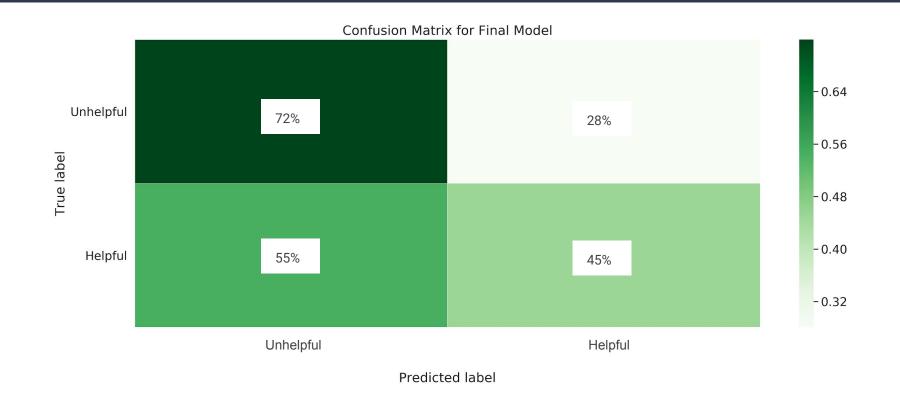
25 million

Parameters in the neural network

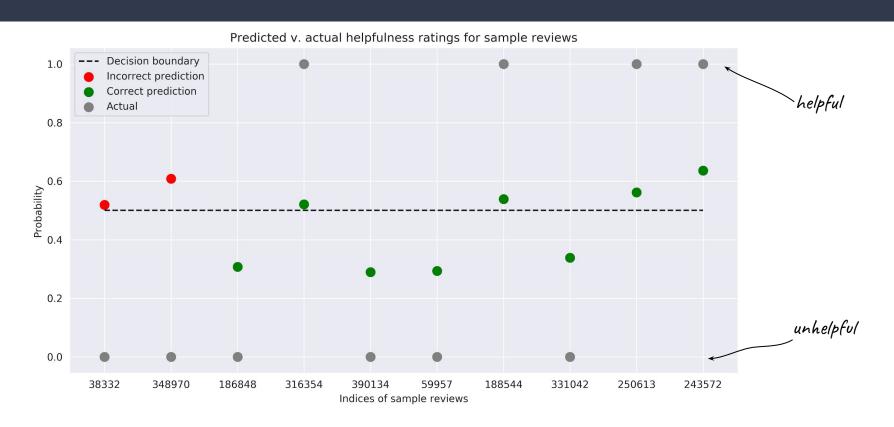
59%

Accuracy when classifying new reviews

Model performance



Sample predictions



Recommendations

Update product descriptions

Recommendations

Update product descriptions

Screen reviews for helpfulness

Recommendations

Update product descriptions

Screen reviews for helpfulness

Encourage helpful reviewing

Future work

Explore other potential influences on "helpfulness"

Try more complex network architecture

Thanks!

GitHub: github.com/jrkreiger/helpful-reviews

Twitter: @j_re

LinkedIn: linkedin.com/in/jrkreiger