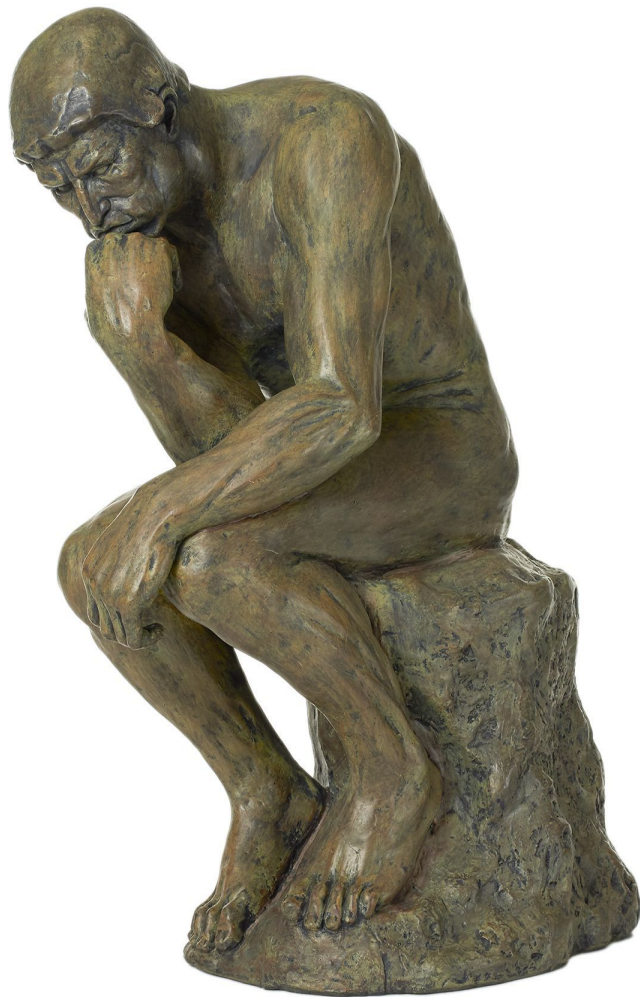SHOWER

?

THOUGHTS

Luke Tibbott

November 16
2018

Motivation

- Can cleverness be captured?

- Age old social media question

- I want reddit karma

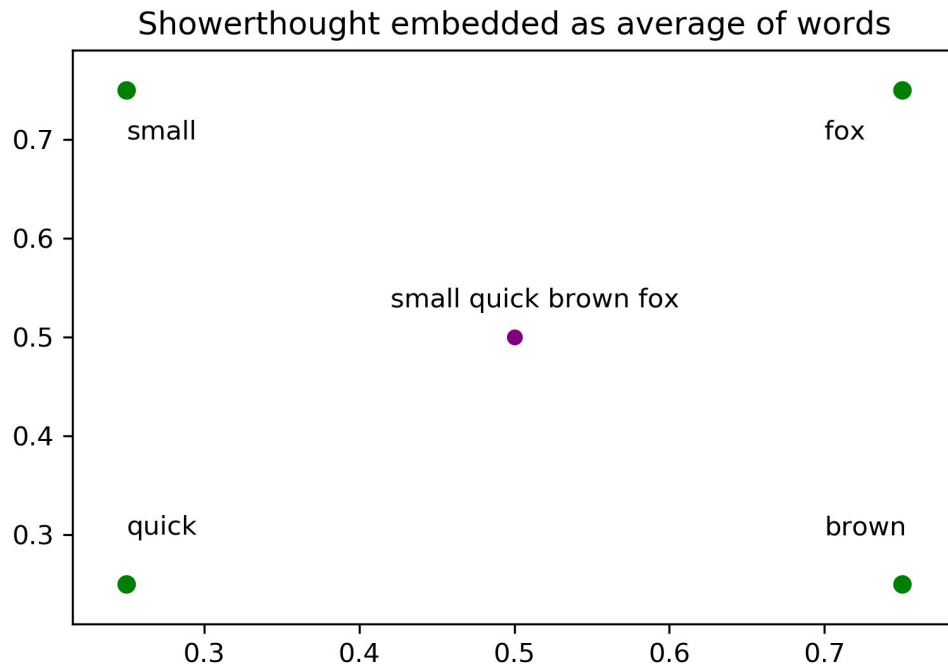# Data

- One million showerthoughts
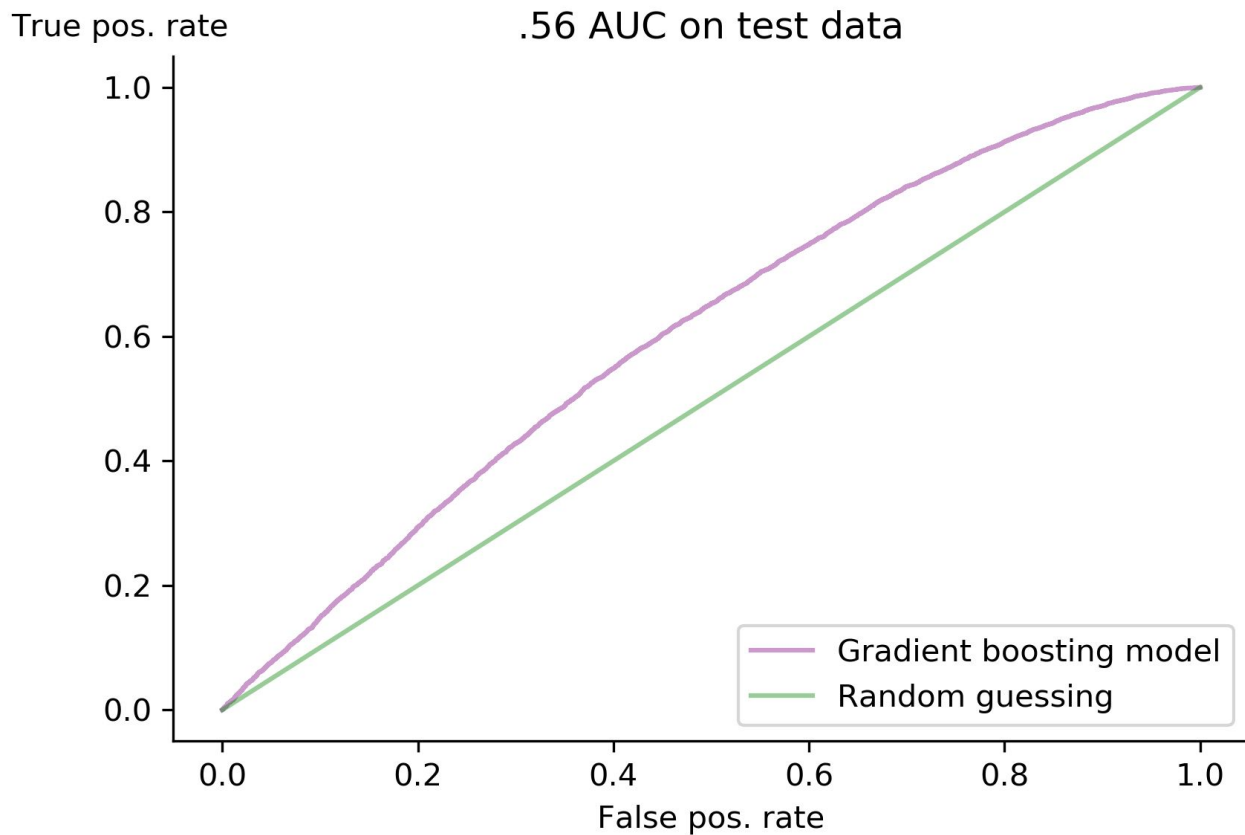
- 2015 to 2018

- Split in to "success" and "failure"

Model

- Stem and remove stop words

- Word2Vec embedding

- Gradient Boosting

Showerthought embedded as average of words

Results

- .56 AUC

- .49 recall

- .18 precision

True pos. rate

.56 AUC on test data

Conclusions

- Model isn't capturing everything

- Is title predictive?

- Flask app

Predict your showerthought's success!

Enter showerthought here:

A towel gets wetter as it dries

Get prediction

This showerthought... **is no good!**

Probability of success: **0.27**

Note that success is defined as getting at least one upvote from another person.

Future work

- Include stop words

- Neural Networks

- Poisson Regression

Thank you!

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Appendix

word2vec

Word2vec model:

https://fredericgodin.com/papers/Named%20Entity%20Recognition%20for%20Twitter%20Microposts%20using%20Distributed%20Word%20Representations.pdf