# SHOWER

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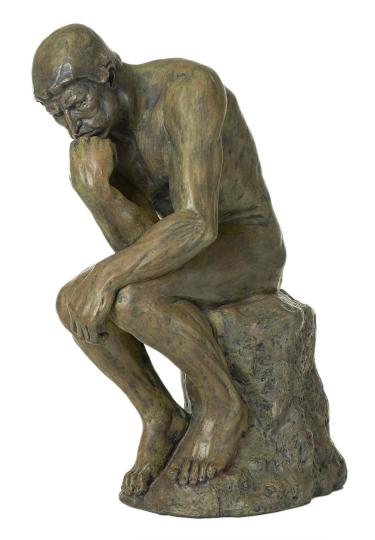
November 16 2018

## 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"

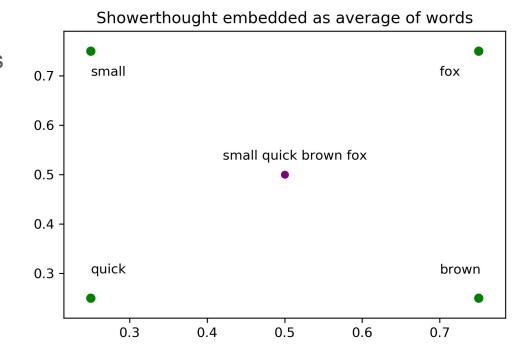


### Model

Stem and remove stop words

Word2Vec embedding

Gradient Boosting

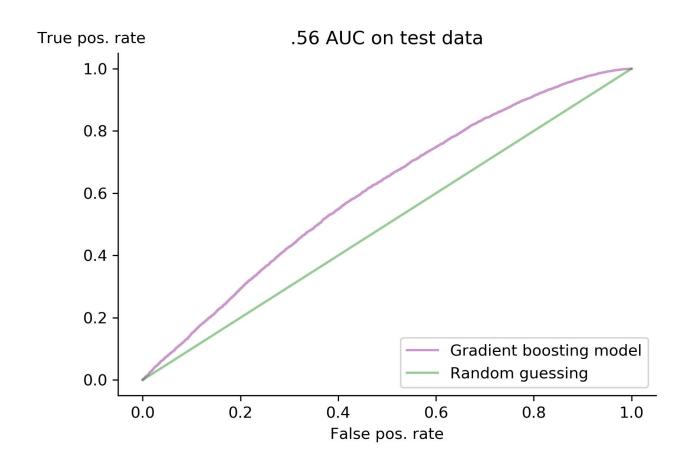


## Results

• .56 AUC

• .49 recall

• .18 precision



## 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

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## 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