Are you **happy** or sad?
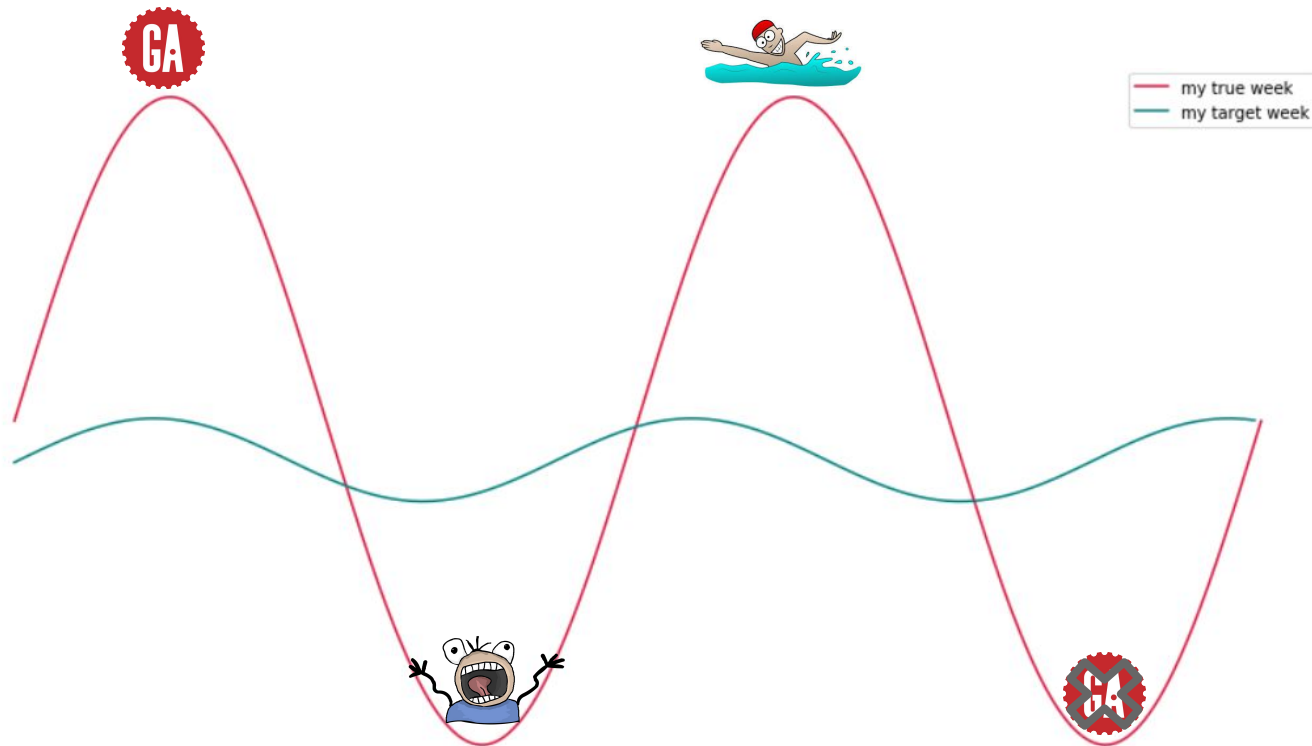
Hussain Burhani

Lightning points

- ◉ Inspiration
- ◉ Live demo
- ◉ Under the hood
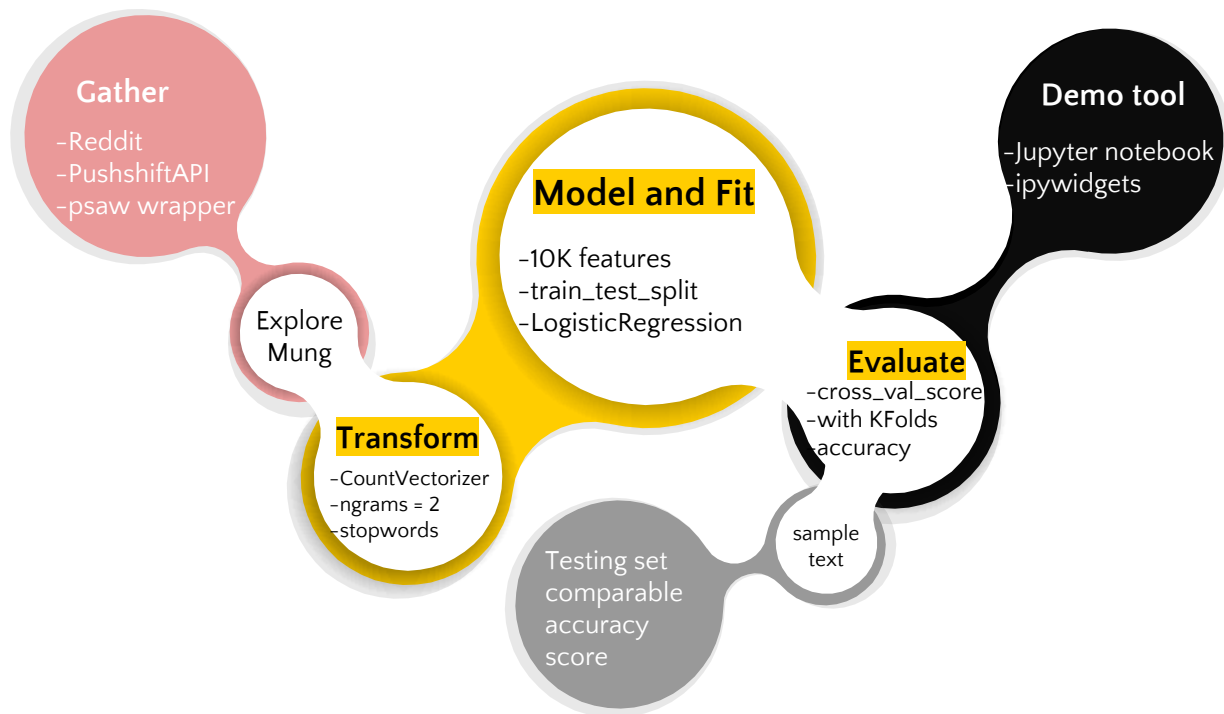- ◉ Future improvements
- ◉ Takeaways

Inspiration

Live demo

Respond to my thread on dsi-cc6-dc with a happy or sad text.

An email, song lyrics, a note from your lover, or just some random thoughts you are mulling on.

Under the hood

Gather

–Reddit
–PushshiftAPI
–psaw wrapper

Explore
Mung

Transform

–CountVectorizer
–ngrams = 2
–stopwords

Model and Fit

–10K features
–train_test_split
–LogisticRegression

Testing set
comparable
accuracy
score

sample
text

Evaluate
–cross_val_score
–with KFolds
–accuracy

Demo tool

–Jupyter notebook
–ipywidgets

Future improvement

Features

- Emoticons
- Enhance stop words list
- Spellings

Tech

- More computing power (AWS)
- Django / CSS to deploy on web

Insights from today

Inspiration and demo → **Tech under the hood** → **Future tweaks**