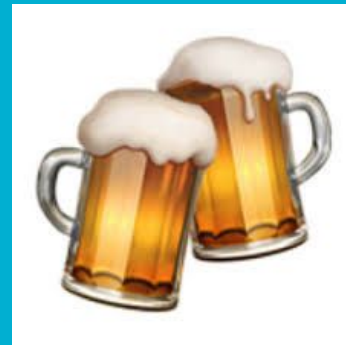




Gulp!



The Beer Recommendation App

# Mission

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- Broaden beer knowledge and appreciation
- Promote small craft breweries
- Increase revenue for well-reviewed beers





Let's check out some beer!

# The Data

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- Data from <https://data.world/socialmediadata/beeradvocate>
- 1.5 million reviews from the BeerAdvocate website
- Cleaned to remove obscure beers and beers reviewed less than 15 times ~ 1.3 million reviews
- Separated into 10 distinct types of beer: Stout, Porter, IPA, Wheat Ale, Pale Ale, Sour, Strong Ale, Pilsner, Dark Lager, and Brown Ale



# Model

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- KNNBasic recommendation system from the SciKit Surprise package
- Offline predictions of 450 pre-set user combinations
  - For each of the 10 beer types, 10 choose 2 possible user choices
- Utilized precision and recall to measure app success

Overall Precision: 0.801

Overall Recall 0.793

F1 Score: 0.797

# Nuggets of Wisdom

## 1 | Most Reviewed

The 90 Minute IPA by Dogfish Head Brewery has the most reviews (3290) - average rating of 4.21/5

The Boston Beer Company (Samuel Adams) is the most reviewed brewery (35343 reviews) - average rating of 3.72/5

## 2 | Most Popular

The most popular beer in the dataset, Rare DOS by Cycle Brewing, has an average rating of 4.75. This beer is sold online for \$25 a BOTTLE!



# Cheers!

## Contact

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