

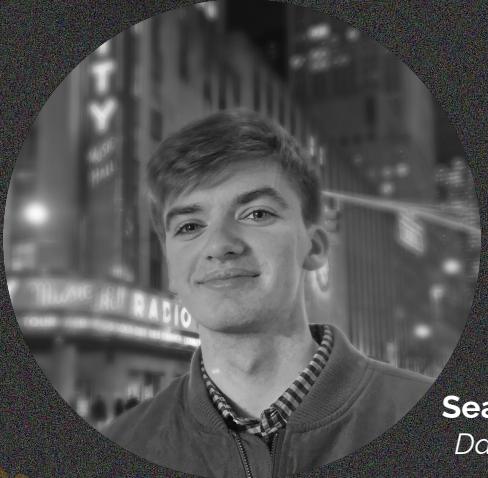


Let's Tap into Your Tastes

A Beer Recommendation System



BEFORE WE BEGIN...



Sean Conlon
Data Scientist

A Recent Graduate of Flatiron School
- Bachelors in IT, St. John's University
- Interests in Automotive, Tech and Music
- Successfully made 'Hello World' in Python

- 01**
Data Overview
- 02**
Models
- 03**
Recommendations
- 04**
Future Insights



The Bottom Line

Breweries across the United States
deserve more recognition



01

DATA OVERVIEW



SOME HOPPIN' GOOD DATA

Data Acquisition

01

The Top 50 Breweries in the US
containing reviews of many of their
popular beers (2004-2011)

02

Data Filtering

Merged 2 large datasets together,
filtering by United States Breweries

03

Data Limitations

59% of Data is from California
Breweries, impacting beer types



WHY ONLY UNITED STATES BREWERIES?

24%

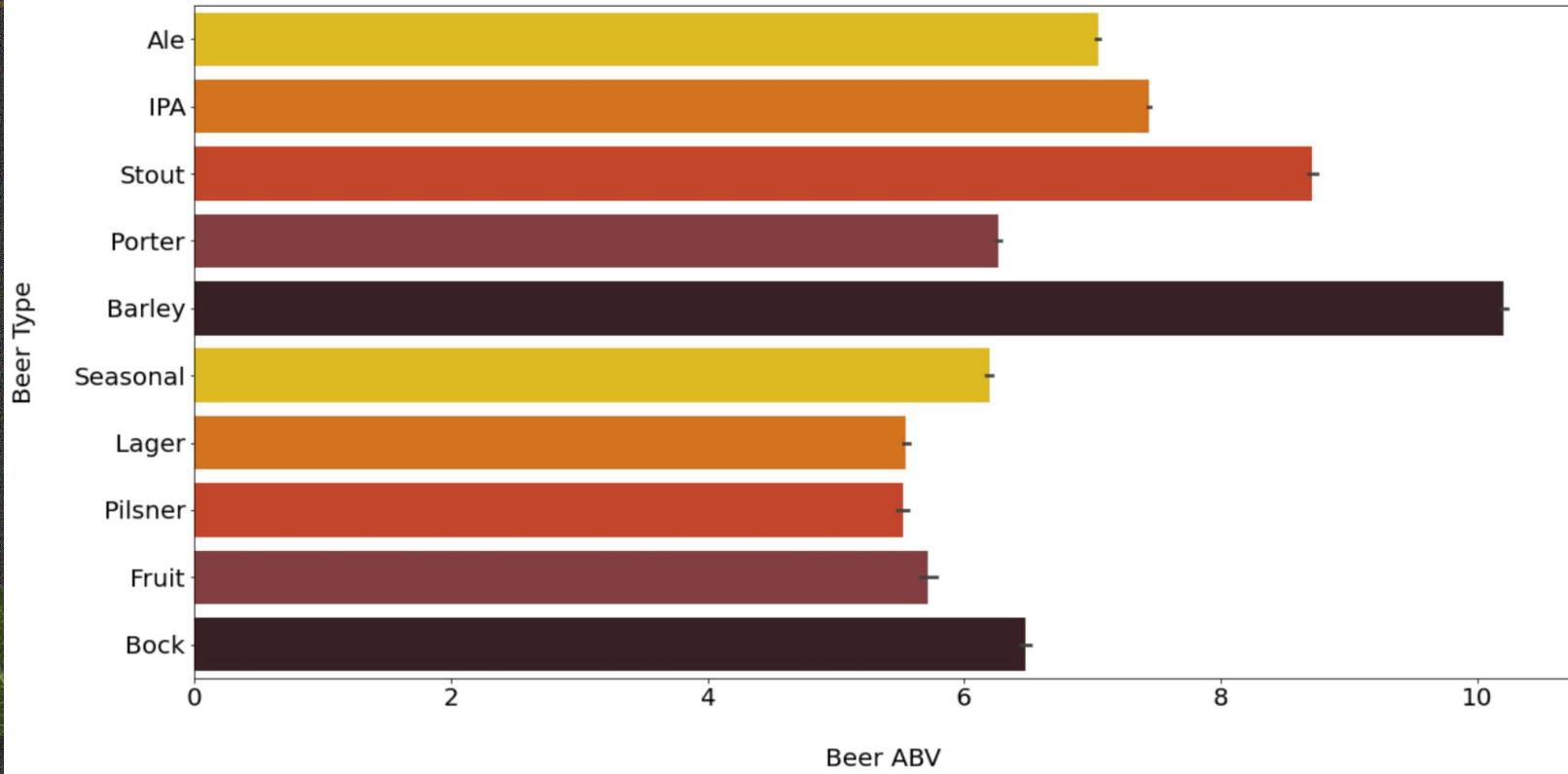




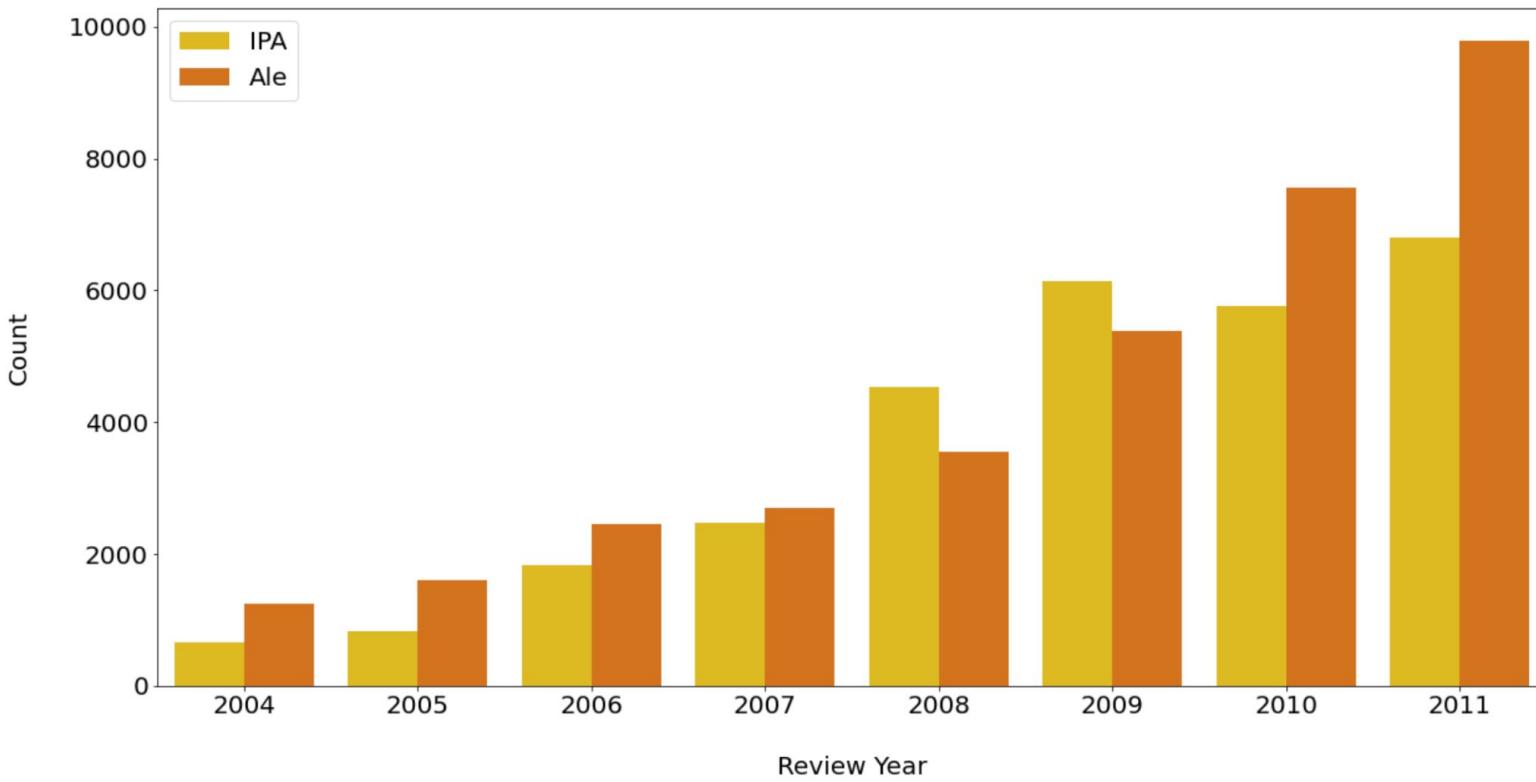
02 MODELS & RESULTS

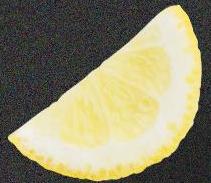


Beer ABV by Beer Type



CA Beer Types by Review Year





HOPТИMISTIC ACCURACY

70%



Collab-Based Model

Based on User's Reviews,
Average Error is 0.30.

90%



Content-Based Model

Based on Alcohol %,
Average Error is 0.1.



20 - 40% OFF

Average vs. Predicted Scores





BREWERIES NEAR YOU

Beers Near Flatiron School...

Brewery Name	Top 5 Beers				
Brooklyn Brewery	1. Brooklyn Black Chocolate Stout	2. Brooklyn Lager	3. Brooklyn Monster Ale	4. Brooklyn Brown Ale	5. Brooklyn East India Pale Ale
Trap Rock Restaurant & Brewery	1. Kestrels #8217 Joy IPA	2. Ghost Pony Helles Lager	3. Chainsaw Double IPA	4. Hathor Red Lager	5. Schroeder Weiss
Port Jeff Brewing Company	1. Port Jeff Porter	2. Low Tide Black IPA	3. Schooner Ale	4. Boo Brew	5. Cold North Wind
Blue Point Brewing Company	1. Hoptical Illusion	2. Blue Point Toasted Lager	3. Blue Point Rastafa Rye A	4. Blue Point Blueberry	5. Blue Point Winter Ale
The Ship Inn	1. Best Bitter	2. Extra Special Bitter	3. Golden Wheat Light	4. Killer Bee	5. Spring Mild





03

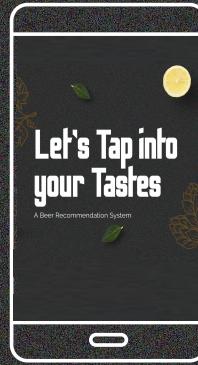
RECOMMENDATIONS



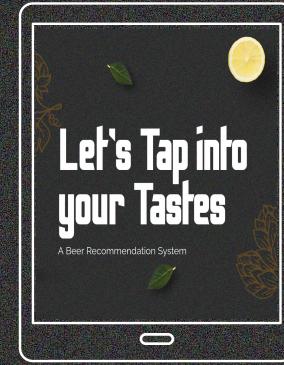
MOCKUPS



WEB-BASED APPS



SMARTPHONE APPS



TABLET APPS





04 FUTURE INSIGHTS





A PITCHER IS
WORTH A
THOUSAND
WORDS

THANK YOU

Do you have any questions?



[Github.com/seanconlon29](https://github.com/seanconlon29)



[Linkedin.com/in/seanconlon29/](https://www.linkedin.com/in/seanconlon29/)

CHEERS!



References

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