



Cold Ones Classifier

Demi Dao





Observed 74 thousand recipes

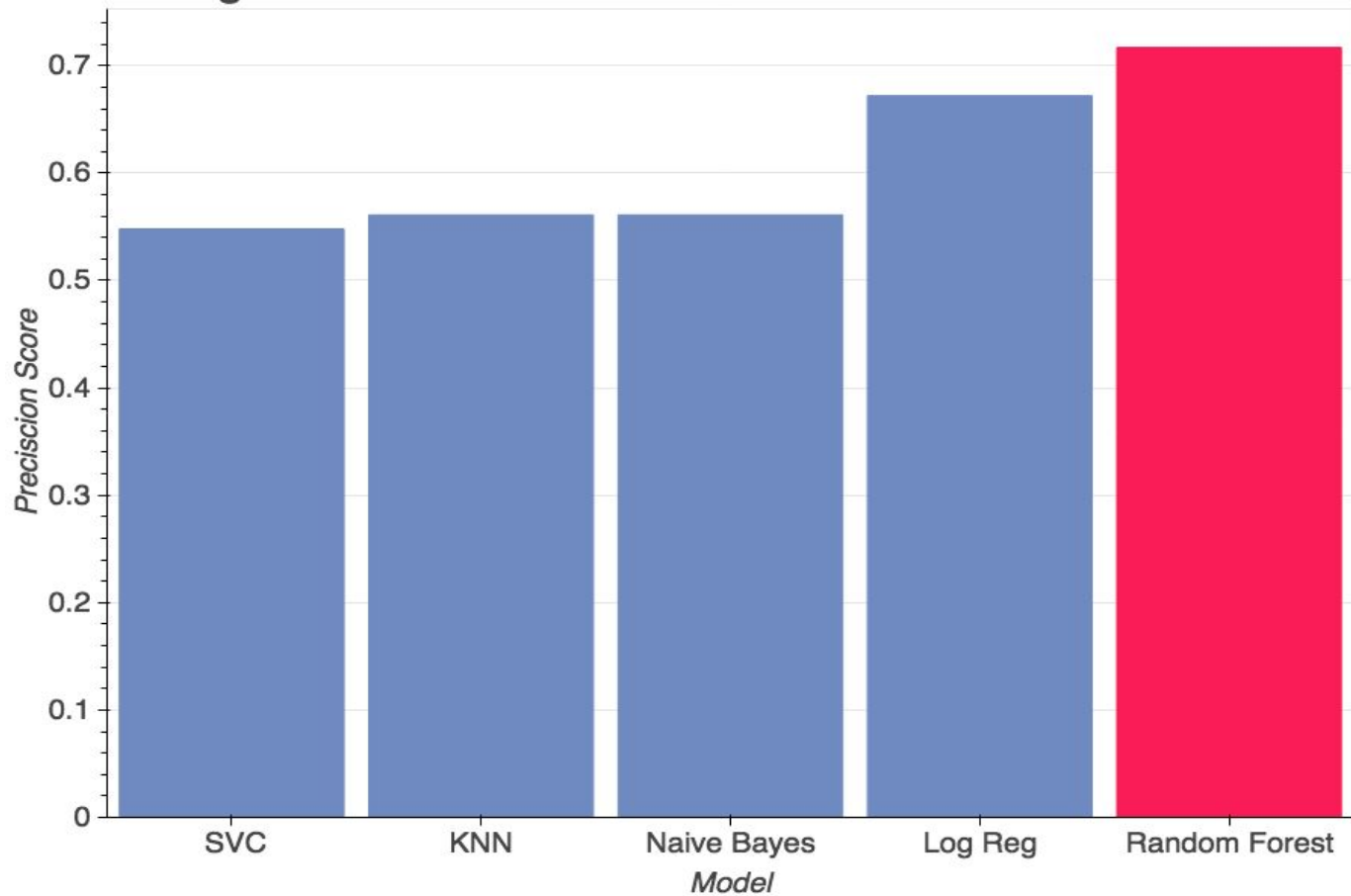
- Postgres Database
- 174 styles of beer
- Simplified into Ale or Lager



Picking the best model

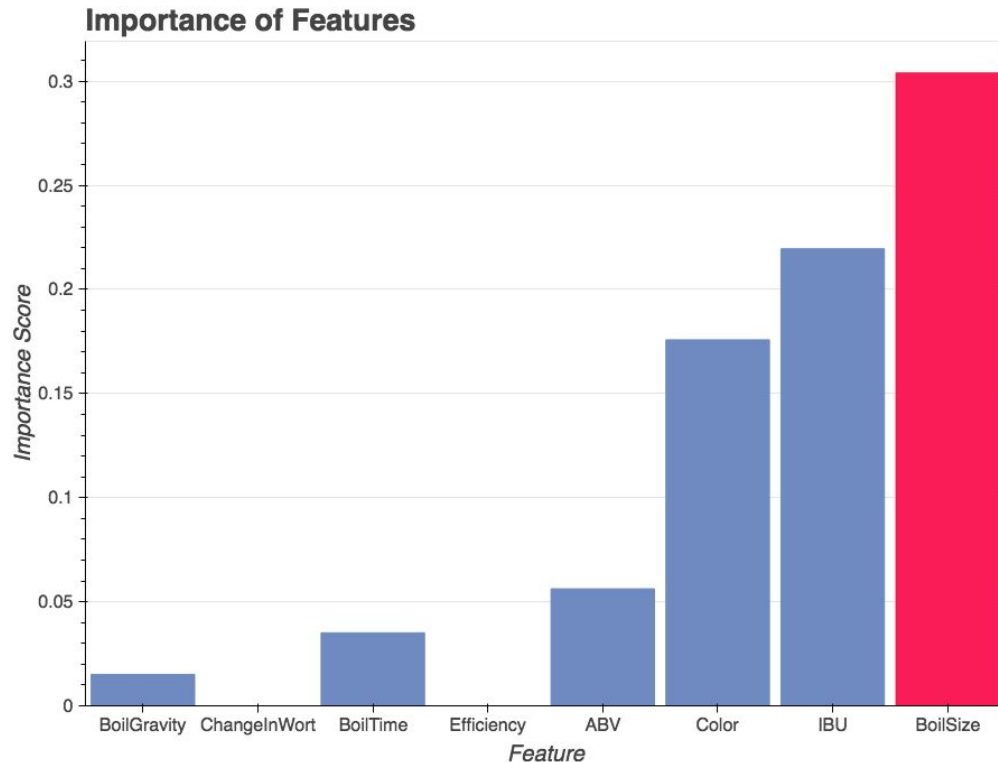
- GridSearchCV
- Precision score

Average Precision Score Over 10 CV



Random forest test precision score on test data

0.780



Improving the project



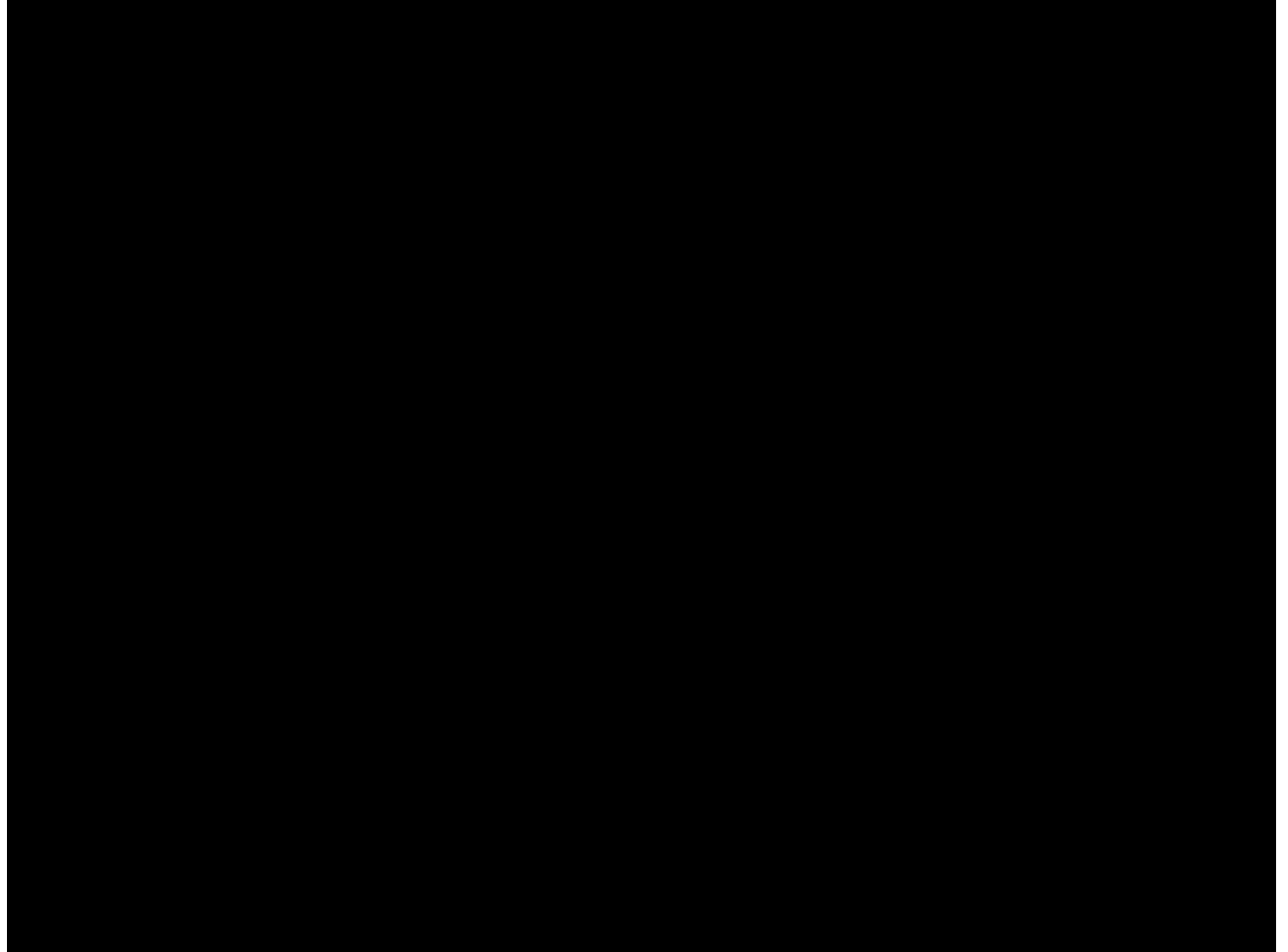
- Include yeast
- Classify more kinds of styles

Takeaway

- Take careful measurements!



Flask app



Thank you!

Appendix

1. <https://www.thrillist.com/drink/nation/official-state-beers>
2. <https://learn.kegerator.com/lager-vs-ale/>
3. <https://firstwefeast.com/drink/learn-how-to-brew-beer-with-these-fun-animated-gifs>
4. https://en.wikipedia.org/wiki/Beer_measurement