Recommender Systems: Yelp Reviews/Ratings

Paul Lim 06/02/17



Objective

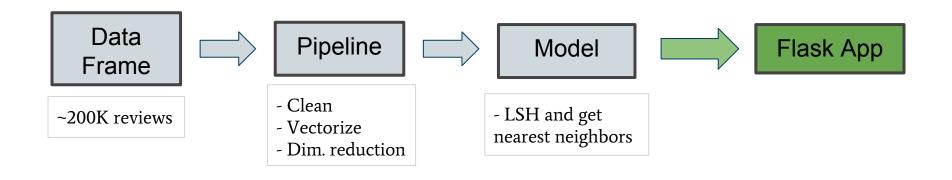
Best place to go?

- Build a content-based recommender system from Yelp reviews
 - No more going to a cafe with no wifi or no plugs...
- Build a collaborative-filter recommender system from Yelp ratings

Approach

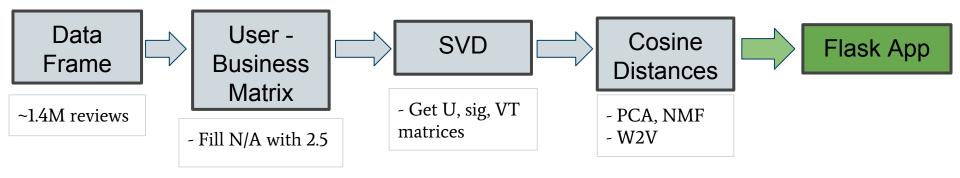
Content-Based Recommender System

Dataset: Reviews from cafes in the Bay Area



Collaborative-Filter Recommender System

Dataset: Ratings of businesses in Ohio



Flask App



1. Landa director

good coffee and fast will and quiet setting

SUBMIT

PhilizCoffee

Much better than Starbucks and peets. Choosing a coffee can be dramting but I just picked anything and it's usually good and interesting. A word of warning - a lot of drinks have minty taste because it essees with mint leaves (or not sure what it is) so if you don't like mint, ask first before ordering.

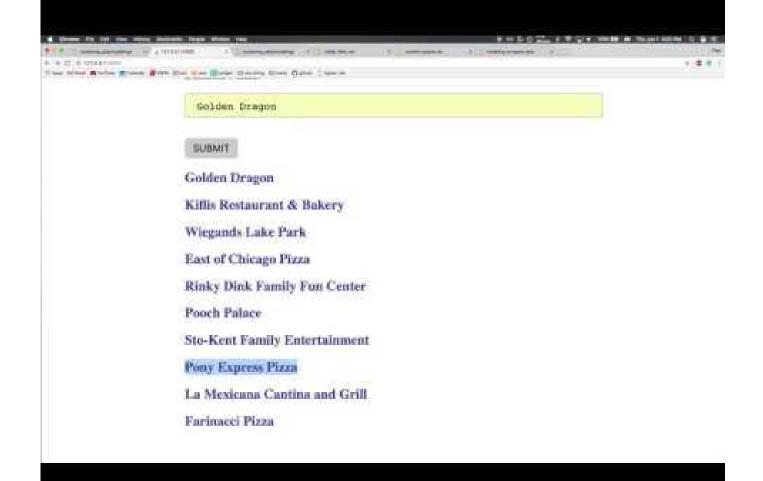
PiccoloPetesCafe

The almost french touri bere is fluffy and just the right amount of a sweet treat. It's a hidden gens in the city with delicious coffee drieks and unique breakfast bites. Grub a group, head down and order one of each off the menu...you won't be disappointed. Enjoy:

CafédelaPresse

Right outside of Chinatowe. Cute and quaint spet for a bite to eat and a more intimate setting in the dining room. Iced coffee is amuzing, Ordered French union susp and flathread with capers and salmon.

CraftsmanandWolves



Next Steps

What next?

- 1. Memory issues... try distributing data over a cluster on Spark.
- 2. Get more data!!
 - Currently data only for cafes in SF and businesses in OH.

Appendix

