

# Recommender Systems: Yelp Reviews/Ratings

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06/02/17



# Objective

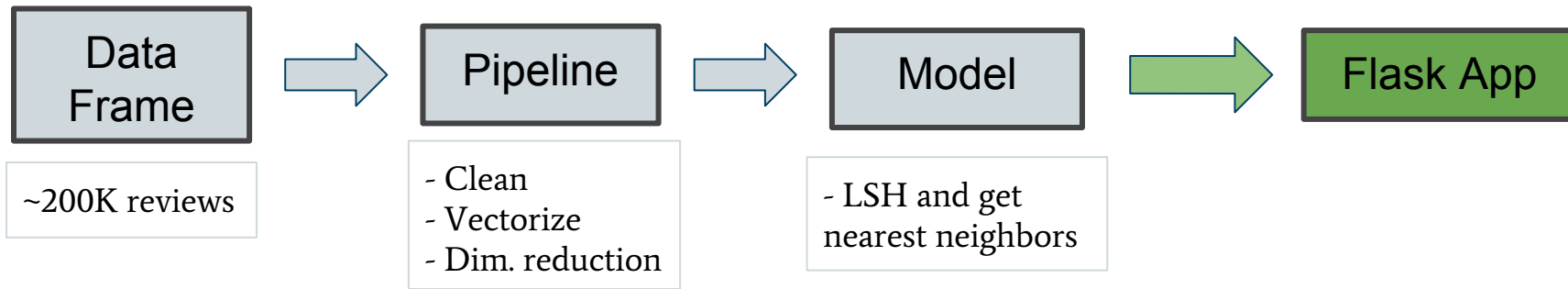
# Best place to go?

- 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

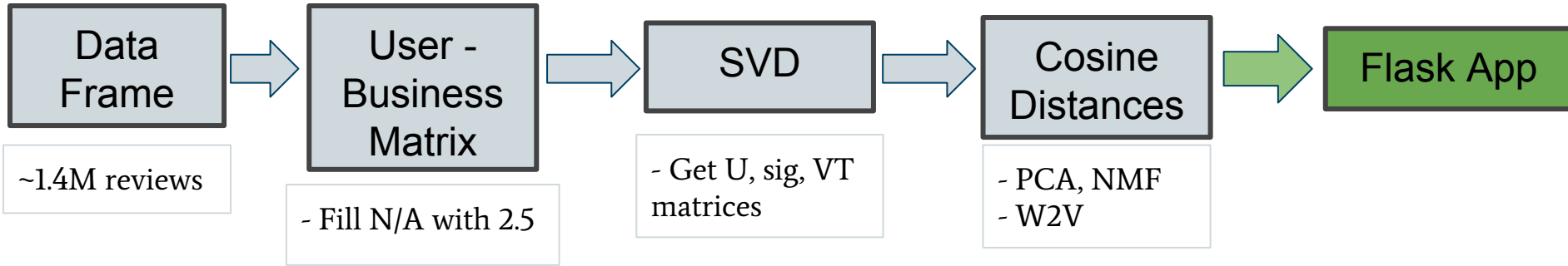
# Content-Based Recommender System

- Dataset: *Reviews from cafes in the Bay Area*

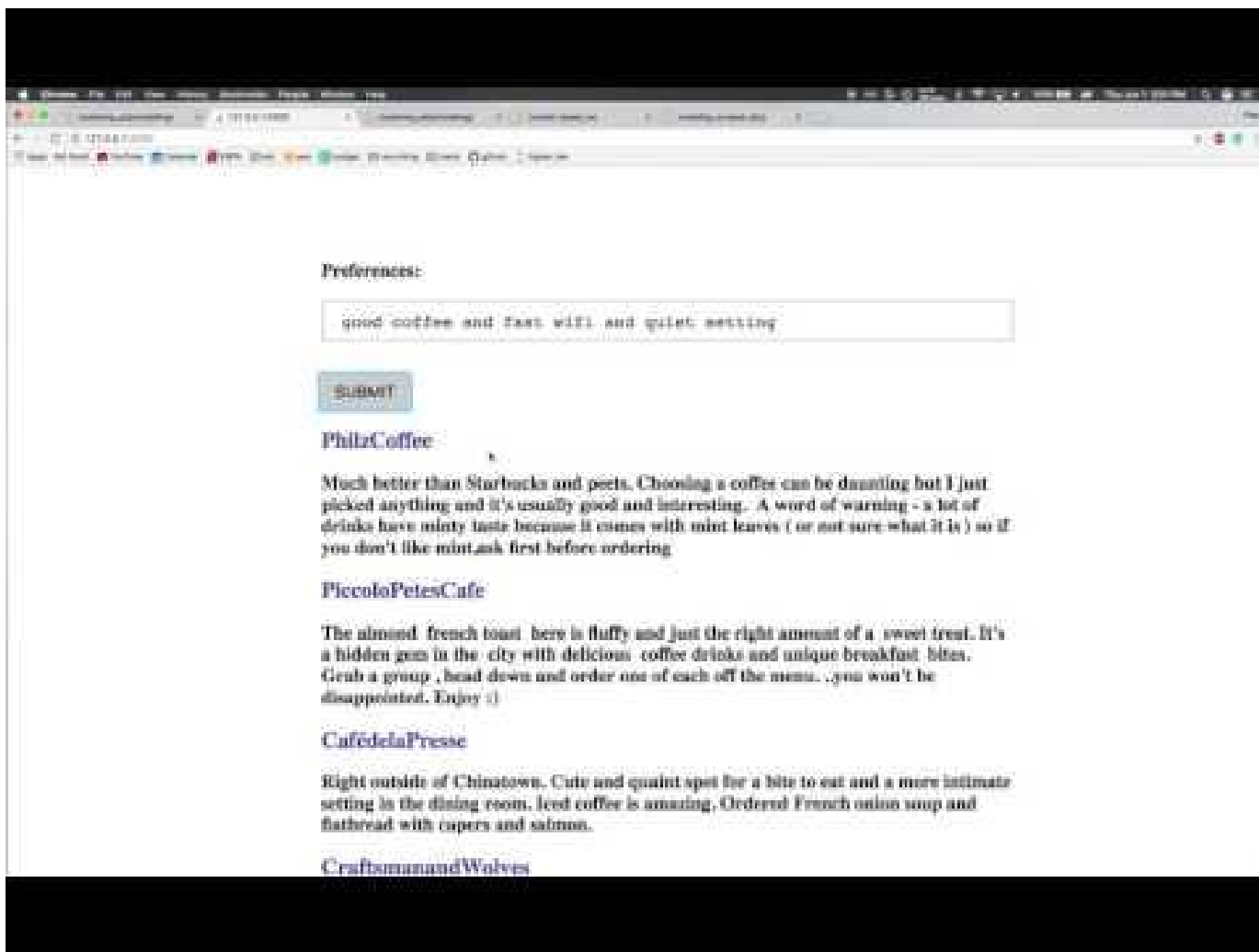


# Collaborative-Filter Recommender System

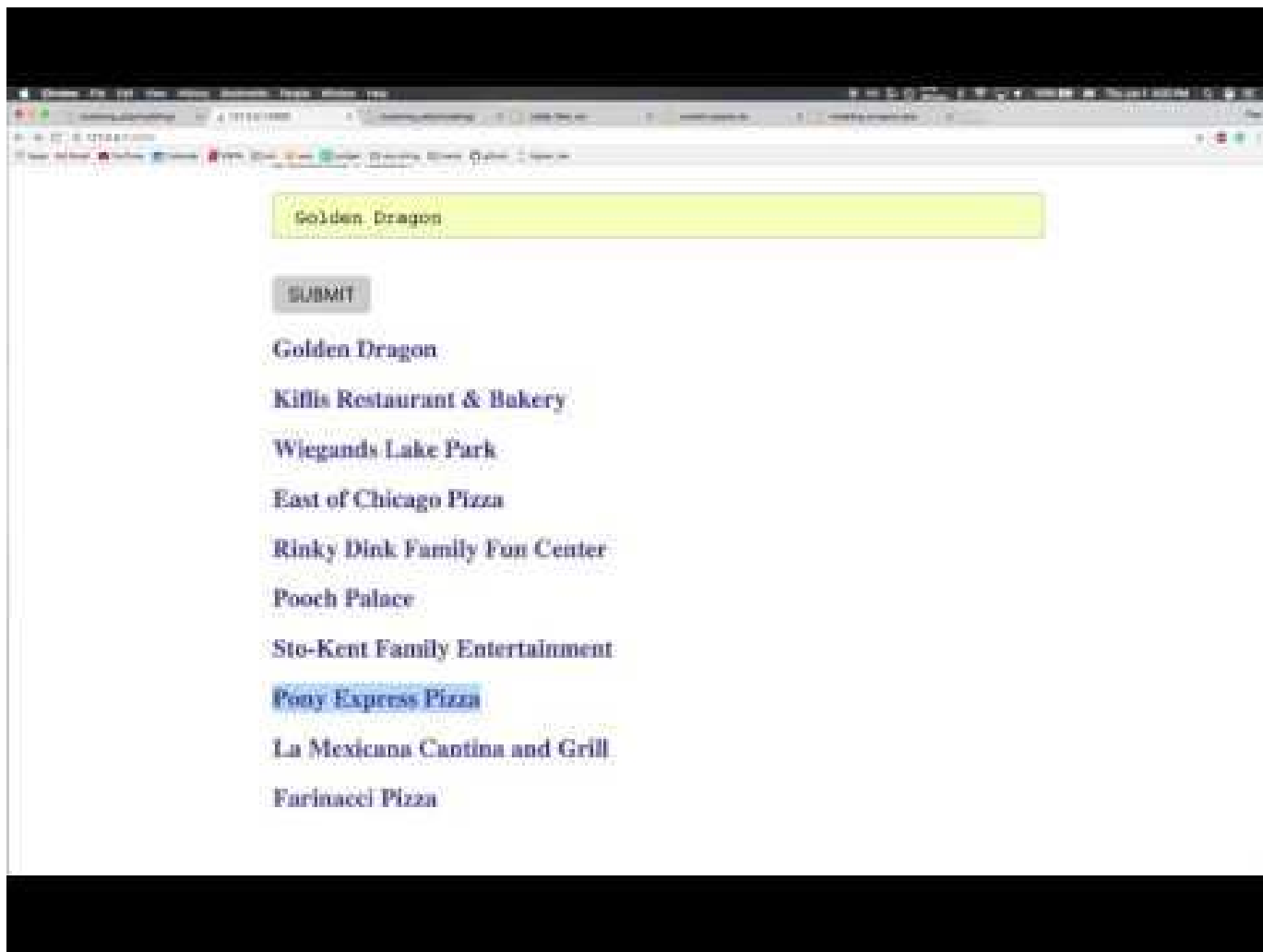
- Dataset: *Ratings of businesses in Ohio*



# Flask App







# 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

## 2 Component PCA

