Datatouille

Your recipe recommender

- **Keerthi Pamulaparthy**

March 30, 2017

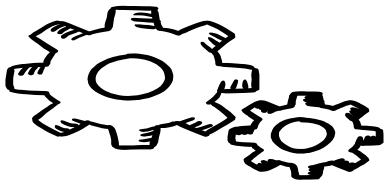
Hmm…what to cook?

Recommend Recipes from global cuisines

2017 recipes

12 cuisines

Tools Used



python

Scrapy

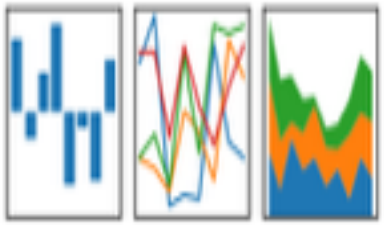
Flask

web development,
one drop at a time

NumPy

pandas

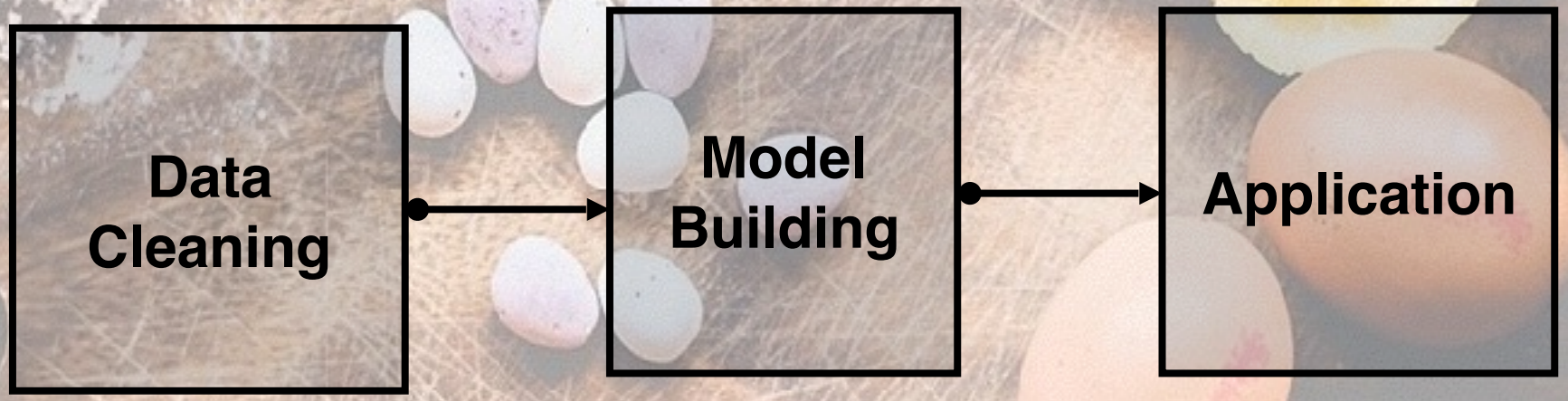
$y_{it} = \beta' z_{it} + \mu_i + \epsilon_{it}$



CSS

scikit learn

Methodology

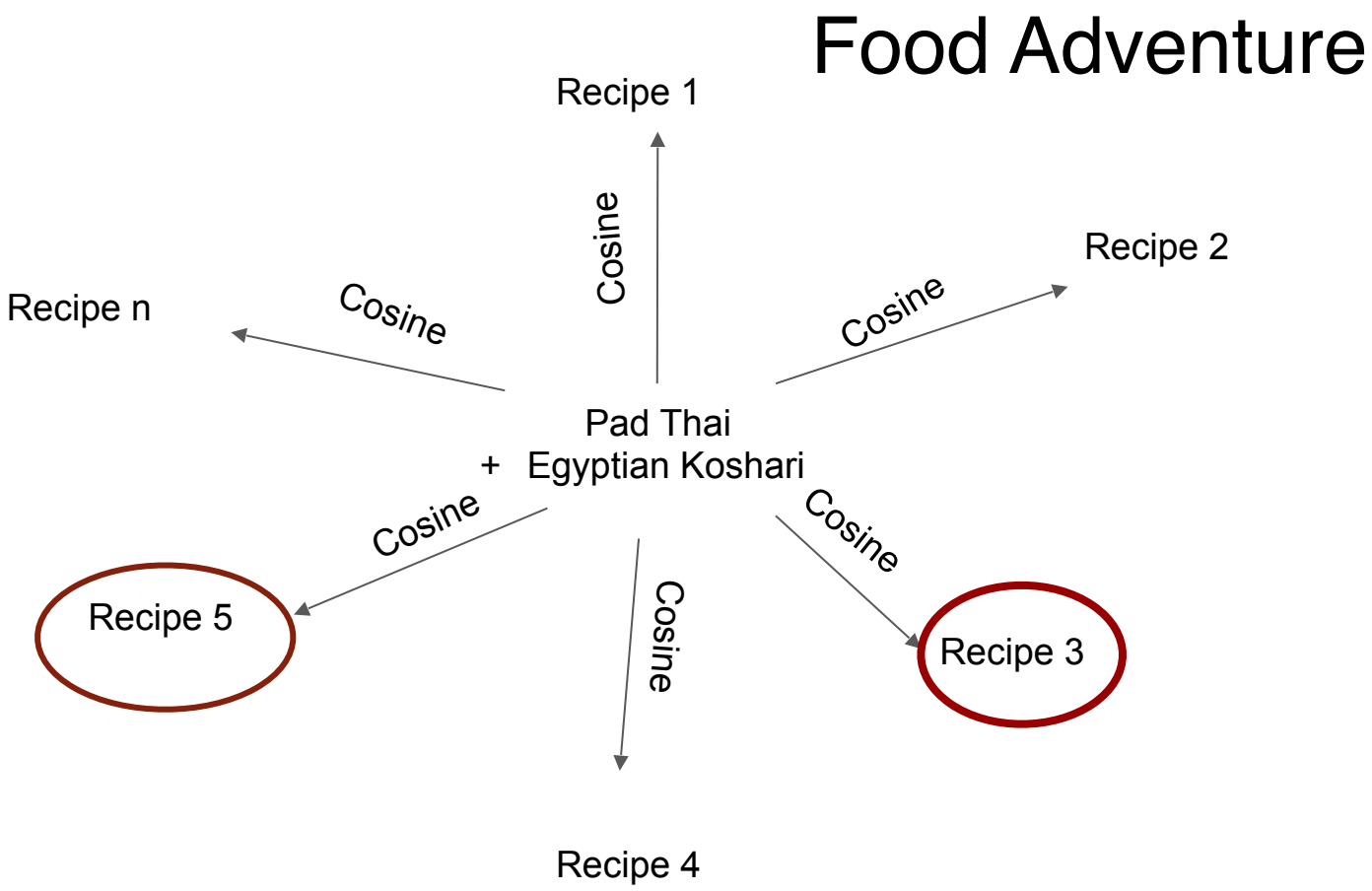


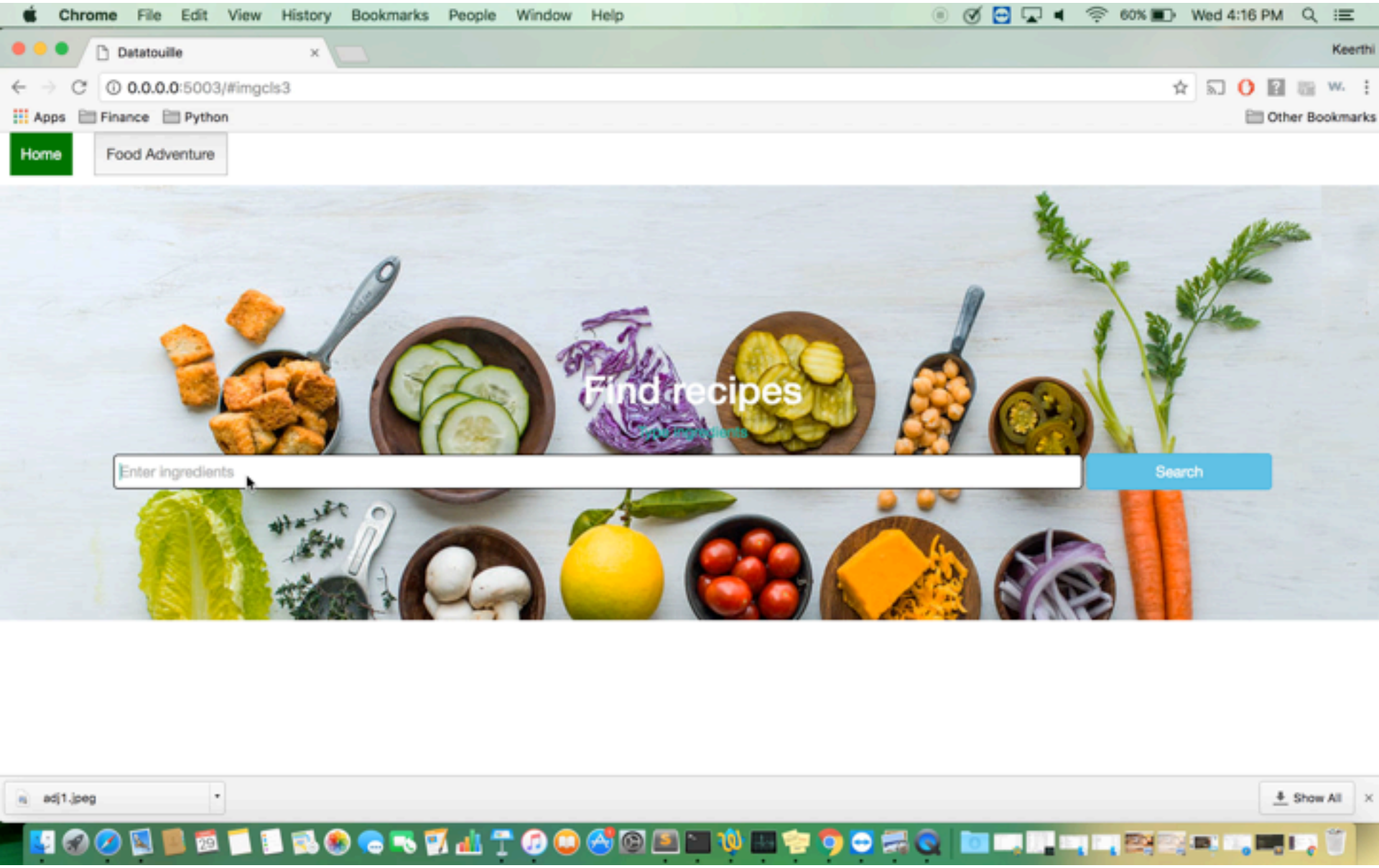
- Tokenize ingredients
- NLTK

- Term Frequency - Inverse Document Frequency (tf - idf)
- Non-negative Matrix Factorization (NMF)
- Cosine similarity

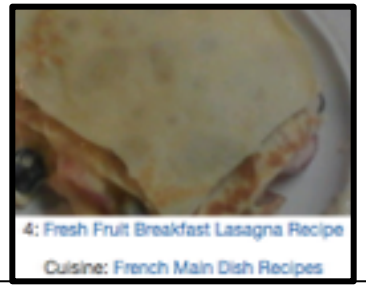
- CSS
- Flask

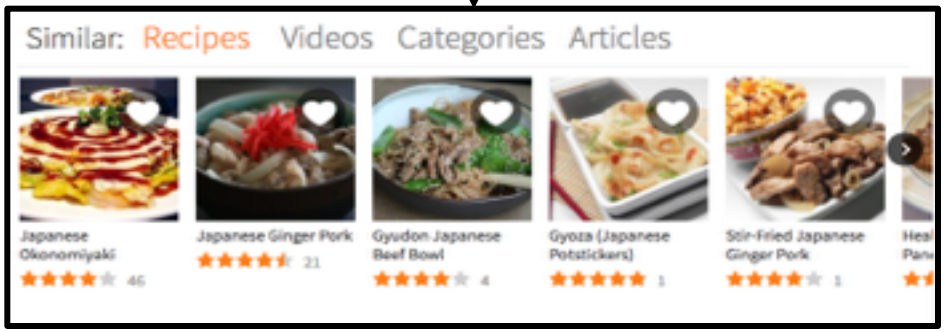
Recipe Recommendation




Chrome File Edit View History Bookmarks People Window Help
60% Wed 4:16 PM
Datatouille
Keerthi
0.0.0.0:5003/#imgcls3
Apps Finance Python
Other Bookmarks
Home
Food Adventure
Find recipes
Enter ingredients
Search
adj1.jpeg
Show All

Datatouille vs Others





Conclusion

- Choose Recipes by Ingredients
- Recipe Recommendations from Global Cuisines
- Adventurous Food Suggestions

Future work

Find ingredient substitutes for recipes

Bon Appetite

Keerthi Pamulaparthy

keerthipamulaparthy@gmail.com

https://github.com/KeerthiPamulaparthy

https://www.linkedin.com/in/keerthipamulaparthy