

recipe sorter

Jason
Perelshteyn

scenario

- Need to impress a person with a meal
- But only thing you know is that they are a jazz fan
- How do you find a jazz-like recipe?

solution

- Build a custom data science tool to transcend conceptual boundaries
- Estimate mood and feeling of food by analyzing mentions in poetry
- Find distance between particular recipe and genre through their positions in the adjective space

the app

- Let users query recipes
- Sort recipes by their music genre-like qualities

Data Collection

- Got comprehensive list of ingredients and their descriptions



- Searched for each ingredient on poetry websites and selected adjacent words in poems



- Extracted adjectives



- Found synonyms



Data Collection

- Selected music genres
- Scraped their wikipedia articles
- Extracted all adjectives
- Cleaned adjectives manually
- Found synonyms



WIKIPEDIA
The Free Encyclopedia



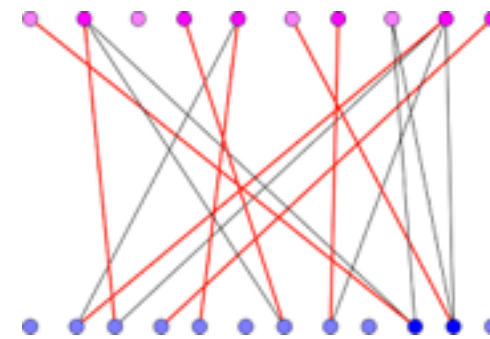
At Runtime

- Query recipe APIs
- Match recipe's ingredients with ingredients in database
- Gather adjectives and their synonyms for each ingredient, which becomes “adjective representation” of a recipe
- Count recipe adjectives that match each genre's adjectives

Yummly™

Edamam

Food2Fork



 mongoDB

