

Menu Analysis with USDA API

Iris Liu

Dec 20, 2020

1. Menu Dataset

- Scraped menus from foursquare API
- Dataset after preliminary cleaning:

Total Number of Restaurant's Menu	Total Number of food items
38	6705

2. Dataset Cleaning: Filter drinks from menu items

Specify drink corpus [[link](#)]

3. Obtain nutrition values of menu items using USDA FoodData Central API

- Match menu items with USDA food items
- Output: match score, energy (kcal), protein (g), total lipid (g), carbohydrate (g), fiber (g), sodium (mg), cholesterol (mg)
- Menu Analysis output to CSV [[link](#)] *(last updated on Dec 18th, 2020)*

4. Validation Analysis

- Ground Truth Dataset: MenuStat 2018 [[link](#)]
- Size of dataset: 15419 (30120 original data)