

SI 206 Final Project Plan

a. What is your group's name?

Siamese

b. Who are the people in the group (first name, last name, umich email)?

Betsy Shi(betsyshi@umich.edu), Feier Su(feiers@umich.edu)

c. What APIs/websites will you be gathering data from? The base URLs for the APIs/websites must be different for them to count as different APIs.

Spoonacular: <https://spoonacular.com/food-api>

FoodData Central: <https://fdc.nal.usda.gov/>

d. What data will you collect from each API/website and store in a database? Be specific.

Spoonacular: collect price breakdown for each ingredient, store name, net price, and US unit in a database

FoodData Central: collect Foundation food data, store every food's name, protein amount, and Vitamin amount, in a database

e. What data will you be calculating from the data in the database? Be specific.

The correlation between net price and its Vitamin amount and the correlation between net price and its protein amount

f. What visualization package will you be using (Matplotlib, Plotly, Seaborn, etc)?

Matplotlib

g. What graphs/charts will you be creating?

Scatterplots and/or a line chart

h. Who is responsible for what? Please note that all team members should do an equal amount of programming and total work.

Betsy: create Spoonacular part of database, create graph for the correlation between net price and its Vitamin amount, 1 visualization

Feier: create FoodData Central part of database, create graph for the correlation between net price and its protein amount, 1 visualization

Together: process the data and create report