

## **Final Project Proposal Outline**

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### **1. Purpose of your project**

- Clean and modify the items based on menu and event.
- To make a food web application.
- Allows one to make a food web application using the dataset.
- [https://www.epj-conferences.org/articles/epjconf/pdf/2014/05/epjconf\\_icas2013\\_00041.pdf](https://www.epj-conferences.org/articles/epjconf/pdf/2014/05/epjconf_icas2013_00041.pdf) This could be mapped very similar to this paper.

### **2. Dataset Description**

- <http://menus.nypl.org/data> is the link where we have extracted the dataset from.
- Gives us a list of menu of the restaurants, the dish they serve, Menu items and Menu Pages. It also gives the name of the restaurants and also the events taking place in each restaurant and who is the sponsor of those events.
- The dataset consists of four files named 'Dish.csv', 'Menu.csv', 'MenuItems.csv', and 'MenuPages.csv'.
- The table below gives a brief idea of each file:

File name	Number of rows	Number of columns
Dish.csv	424509	9
Menu.csv	17545	20
MenuItems.csv	1333287	9
MenuPages.csv	66937	7

### **3. Methods**

- Open Refine and Python
- Will be using a few modules like KNN for classification to impute the data.

### **4. Project deliverables**

- A clean dataset for creating food application.
- At the end of the semester, every group is required to hand in:
  - o a full written report
  - o the datasets used (if any)
  - o 'cleaned' datasets (if any)
  - o your presentation slides