# Graph Theory and its Applications Assignment 4

# **Restaurant Recommender System**

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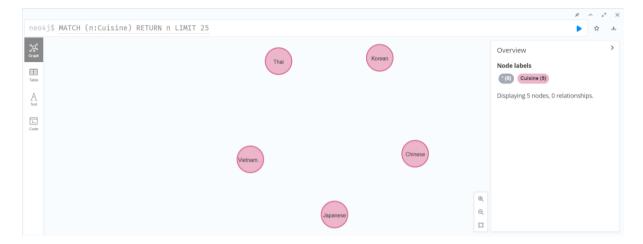
### **About the Dataset:**

For building the Restaurant Recommender System we use 8 main datasets

- Cuisine.csv
- Location.csv
- Person.csv
- Restaurant.csv
- Is\_friend\_of.csv
- Likes.csv
- Located.csv
- Serves.csv

# **Creating Nodes**

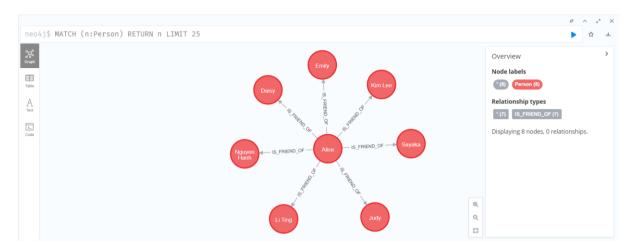
### A. Cuisine



### **B.** Location



#### C. Person

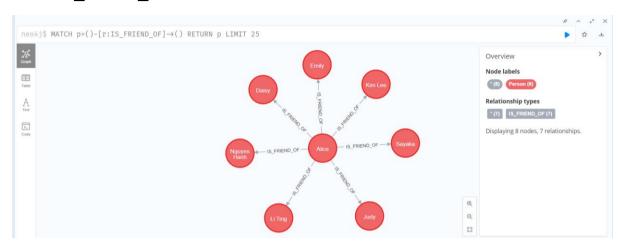


#### D. Restaurant

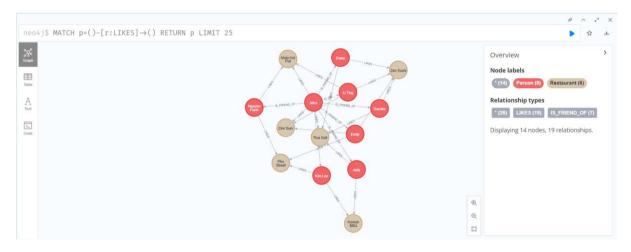


# **Creating Relation**

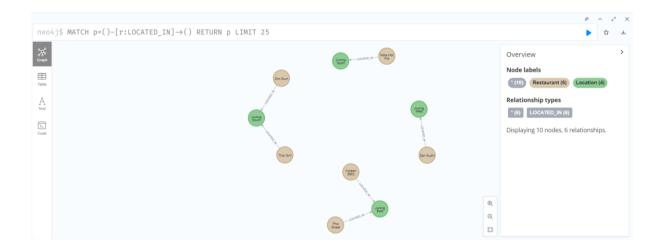
## A. Is\_friend\_of



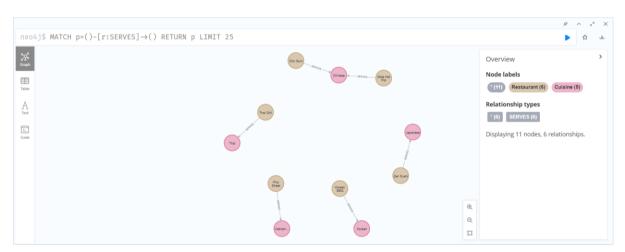
#### **B.** Likes



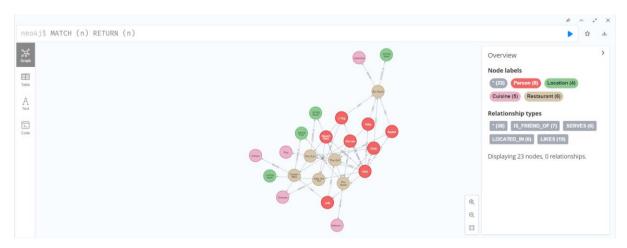
## C. Located\_in



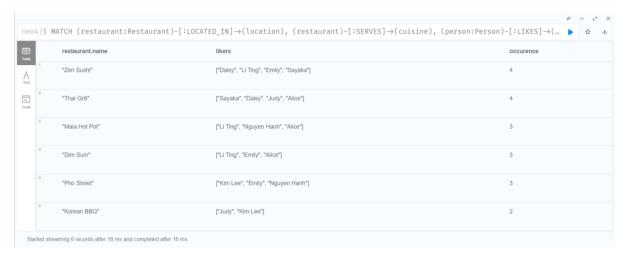
#### D. serves



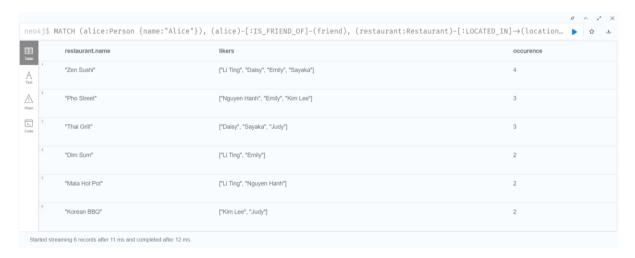
# **Whole Graph**



## **Content Based Filtering:**



# **Collaborative Filtering:**



# **Betweenness Centrality:**

