Project Proposal

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Project Title: **Restaurants near me - Uber Eats**

Introduction and Motivation

Since 2020, the global demand for food delivery has grown exponentially [1] as COVID-19 causes consumers to stay at home and work remotely. Correspondingly, the takeaway market has also become very popular. In 2014, Uber launched an online food ordering and delivery platform which is called Uber Eats. Users can use a mobile app, or through a web browser, to read menus, view restaurant locations and ratings, order and pay for food from participating restaurants. Besides, with Uber Eats delivery, all people favorite foods are right at doors with just a tap of phone.

I am interested in the information displayed on Uber Eats and want to visualize the data by analyzing the data of gourmet restaurants across the United States, to provide users with Uber Eats another way to present information.

Questions

1. How are the characteristics of the most popular restaurants?
2. What are the factors that affect restaurant prices?
3. How much cost can people expend for hot gourmet restaurants?

Data sources

➢ Data A was scraped from https://www.ubereats.com with the region of USA, has the information of the restaurants rating, price, and geographic location etc., which can be used to answer Q1 & Q2.

➢ Data B is extracted by Great Learning from PGP-DSBA, which is based on Uber driver's trips, and contains variables such as trip start/end times, departure and arrival locations, and trip purpose, including the data of trip for meal, which can be combined with data A to answer Q3.

Description of data sources

➢ The tabular data has a dimension of 40228 rows * 11 columns, it has both text and spatial attributes (https://www.kaggle.com/datasets/ahmedshahriarsakib/uber-eats-usa-restaurants-menus?select=restaurants.csv).

➢ The tabular data has 1156 rows and 7 columns, it has text variable as well as numeric (https://www.kaggle.com/datasets/rejithankachanoomman/projectuber-drive?select=uberdrive-1.csv).

Reference

[1] Research, & Ltd, M. (n.d.). *Food delivery: COVID-19*. Research and Markets - Market Research Reports - Welcome. https://www.researchandmarkets.com/issues/food-deliveryon-therise?utm_source=dynamic&utm_medium=GNOM&utm_code=bsnq5l&utm_campaign=1383480++Food+Delivery+Services+See+a+Surge+in+Demand+due+to+Coronavirus+Outbreak+as+Consumers+Stay+at+Home&utm_exec=joca220gnomd