Capstone Project Week 1 Battle of the Neighborhoods

Problem

It's hard to track down some food for takeout during the times of COVID restrictions. Some restaurants have closed down completely, some have outdoor dining, some are exclusively takeout. Which neighborhoods are surviving the lockdown the best? Which neighborhoods are going to need new restaurants to open once restrictions are gone, and will probably have better deals on leases?

Target Audience

I've been interested in this information myself. I try to support the local places in my neighborhood so that the restaurants can survive this period of restrictions, and more employees can keep their jobs. There are many consumers in Seattle that feel and act in the same way in their own neighborhoods. Restaurateurs may look to capitalize on "restaurant deserts" once consumers can go back to full indoor dining.

Datasets

I will be using a number of datasets for this project. I will use venue data from foursquare using their API. I will use a downloaded csv dataset from the city of Seattle that is restaurants self reporting their opening hours, and the types of service that they offer. I will use data scraped from wikipedia to get a list of Seattle neighborhoods so that I can do some comparison and clustering of neighborhoods.

https://developer.foursquare.com/docs/api-reference/venues/search/#request

https://data-seattlecitygis.opendata.arcgis.com/datasets/restaurants-operating-during-covid19/data?showData=true

https://en.wikipedia.org/wiki/List_of_neighborhoods_in_Seattle