

# The Battle of 'Neighborhoods'

Liverpool & Manchester



A photograph of a modern restaurant interior. The scene is dimly lit with warm, golden light emanating from the bar area. A long, dark bar with a polished surface runs across the middle ground. Behind the bar, shelves are stocked with various bottles. To the right, a sign for 'BREWERY LIQUOR STORE' is visible. In the foreground, a dark, reflective surface, possibly a table or another bar section, is partially visible. The overall atmosphere is sophisticated and contemporary.

# OPENING OF A RESTAURANT

## BUSINESS IDEA:

- Recommending a firm to open a restaurant in Liverpool city or Manchester.
- Shortlisting of places based on the present competition in both the cities by looking for neighbourhoods having lesser frequency of restaurants.
- **if (the frequencies of restaurants in a neighbourhood is less) :**  
**lesser competition + more benefits of opening a restaurant in that location.**

# DESCRIPTION

- Extracting the neighbourhood & coordinates of a city.
- Searching for restaurants in the nearby areas and extracting it for each neighbourhood.
- Applying k-means to cluster these locations based on the frequency of restaurants available.
- Displaying them on a map.
- Repeat the same for the next desired city.
- Shortlist the neighbourhood for both the cities.



THANK YOU

