

# DATA SCIENCE FOR HDB FLATS

USING DATA SCIENCE TO LOOK FOR HDB FLATS

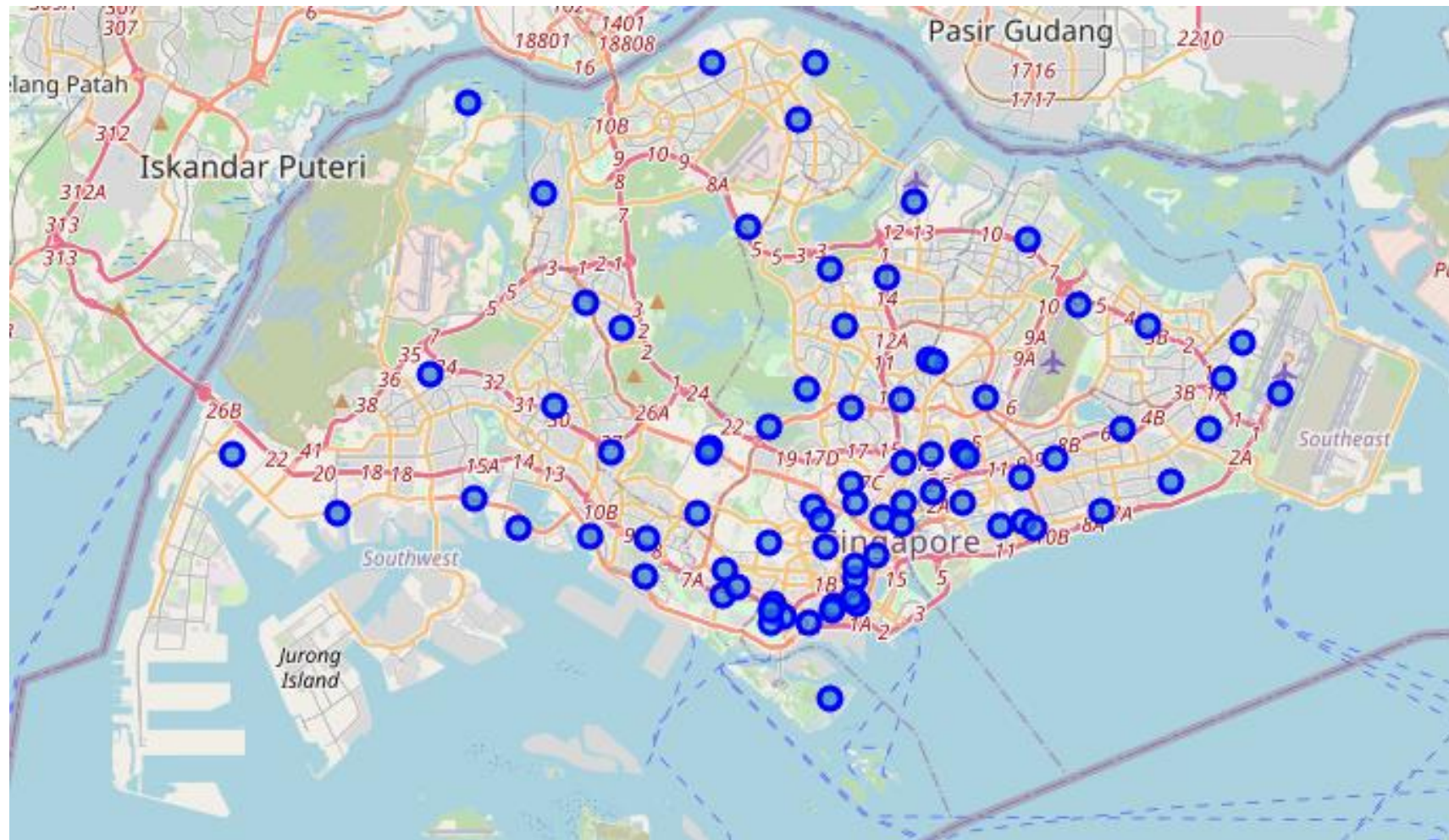
# Problem

- HDB flats are subsidized by the state and are popular housing options for young couples
- Typical search criteria is premised largely on proximity to offices and the central business district
- Such criteria is outdated given the increasing adoption of remote working
- It would be better to look for HDB flats based on attributes such as their proximity to certain amenities (e.g., restaurants)

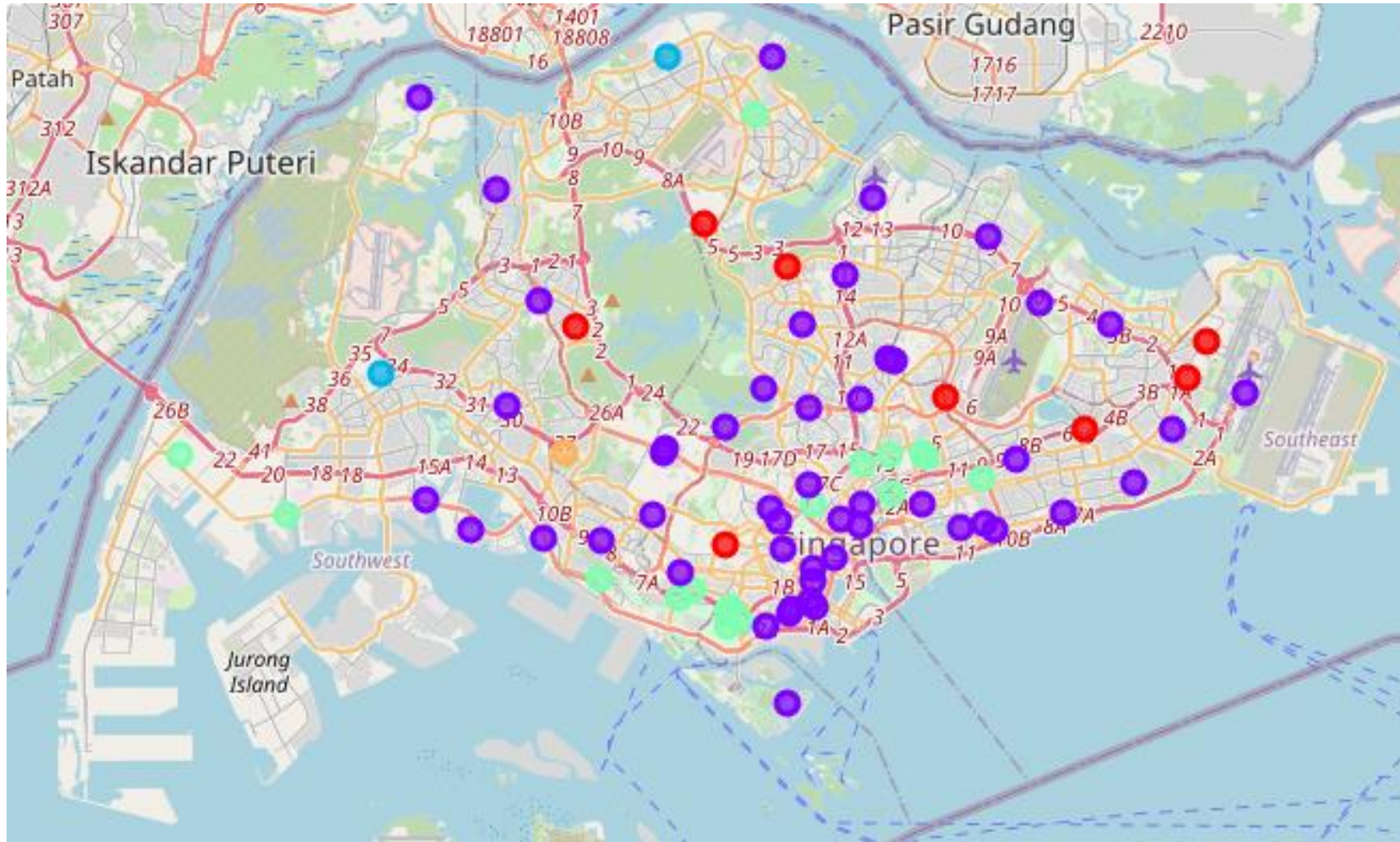
# Solution

- Using data from Kraggle and Foursquare, it is possible to cluster HDB blocks based on how closely associated they are to certain venues
- The clustering can act as a filter for couples to decide the areas in which they may wish to purchase a HDB flats

# Map

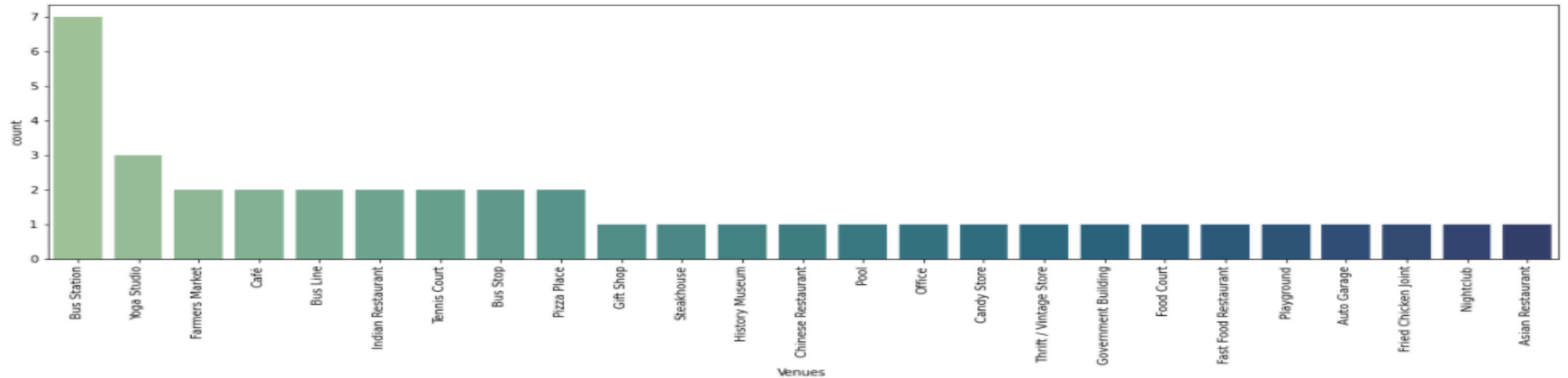


# Clustered Map

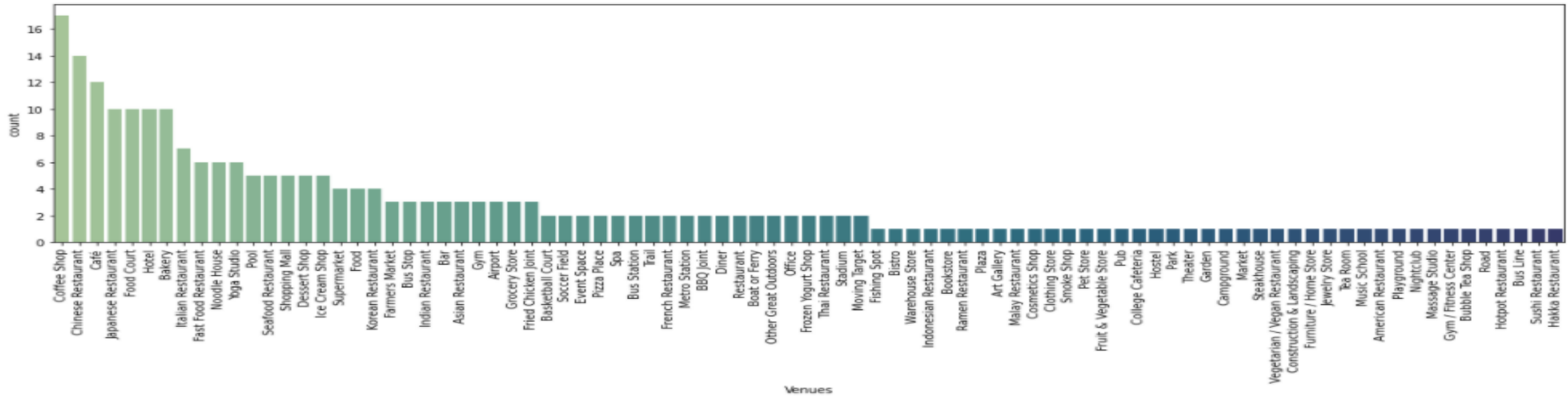




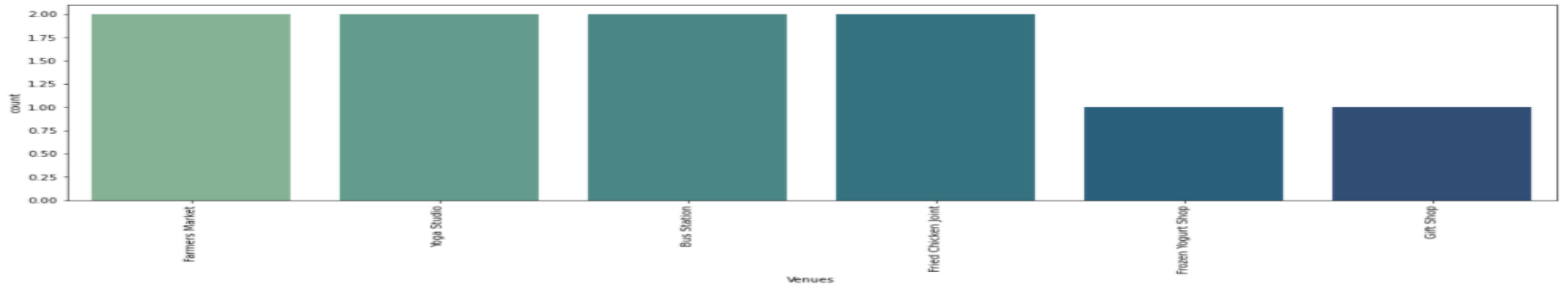
# Cluster 1 (Red) – For Bus Station Lovers



# Cluster 2 (Purple) – For Food Lovers

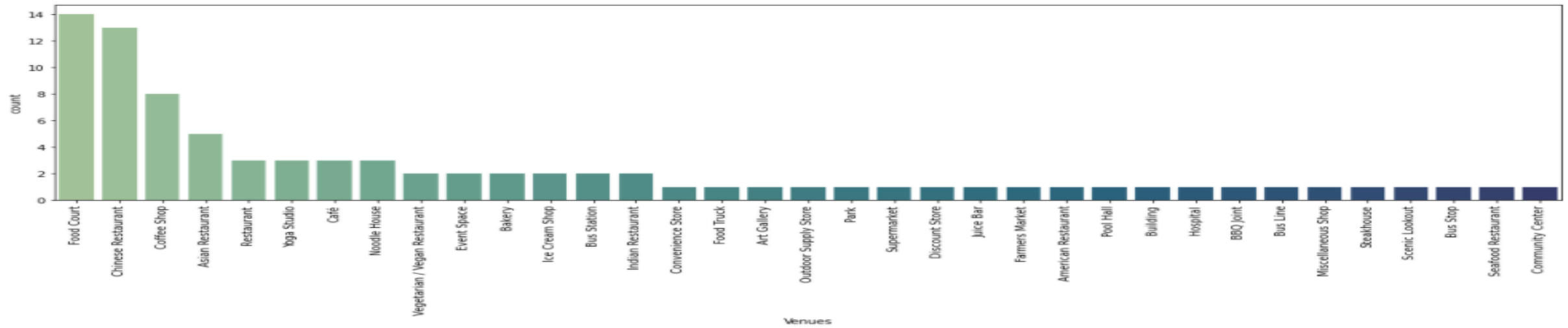


# Cluster 3 – For Farmers Market Lovers





# Cluster 4 (Green) – For Chinese Food Lovers



# Cluster 5 (Orange) – For Activities Lovers

