

Data Description and Methodology

1. The major dataset used for this project is sourced from
'<https://data.austintexas.gov/Building-and-Development/Neighborhood-Reporting-Areas-Zoning-Acres/npuf-crwm>'
2. Google maps is used to derive the latitude and longitude coordinates of the Neighborhoods in Austin, Texas.
3. The Foursquare API was used to provide location data of venues and allied information in the neighborhoods.

This project uses an unsupervised learning approach, which uses data to identify patterns and information about major trends in the very dynamic restaurant industry in Austin neighborhoods, this is with a view to also provide insight into some atypical behaviors that are unique to Austin restaurant business; which are more evident in view of the new realities introduced by the Covid-19 pandemic.

The K-means analytic clustering algorithm will be used to segment restaurants into clusters with a view to identifying the best clusters to locate what type of restaurant as prescribed by the analysis.