Food Category distribution in neighbourhoods of Bangalore

# Introduction

To understand the distribution of food category venues for different neighborhood in Bangalore. This can help entrepreneurs to identify the opportunity for newer restaurants and specific cuisines.

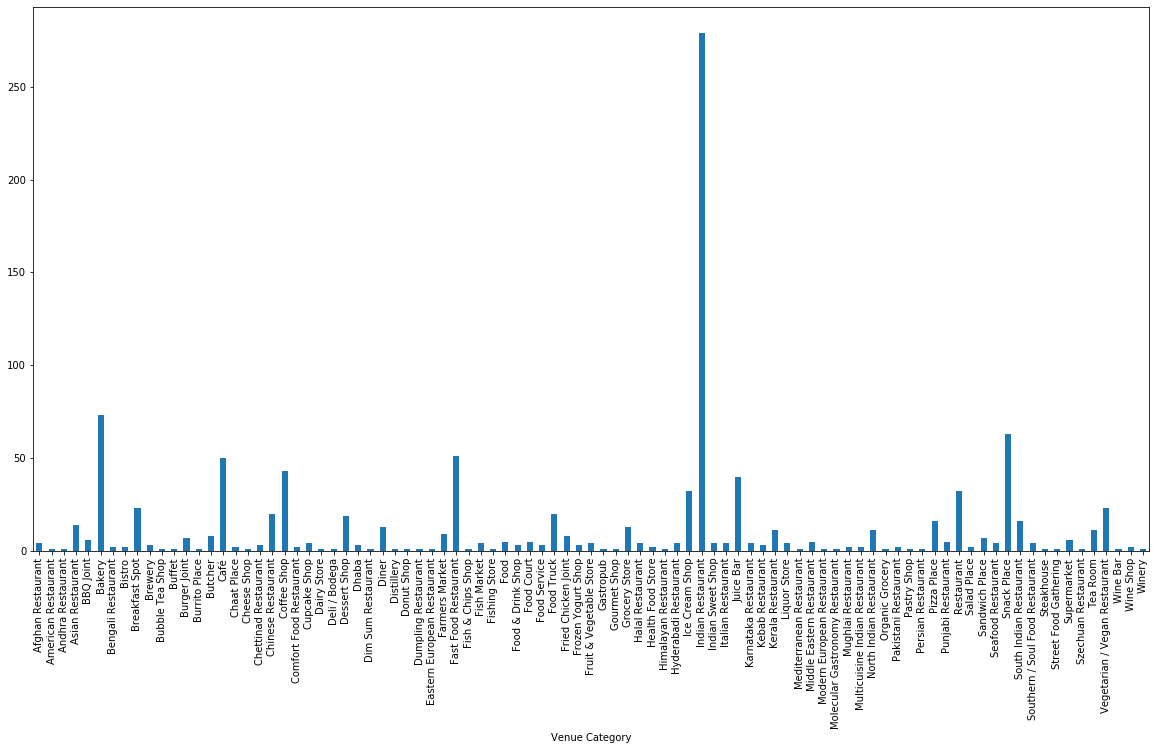
This report summarizes the similarity of neighbourhood calculated on basis of venue within food category but approach can be extended for any available venue category, which can help identify best location for newer entrepreneurial ventures.

# Data Acquisition

The various neighbourhoods of Bangalore are defined as per postal code. The latitude and longitude information of each postal code is obtained from Indian government website (<https://data.gov.in/resources/all-india-pincode-directory-contact-details-along-latitude-and-longitude>) . This latitude and longitude information will be used with Foursquare API to explore food category venues within 50 m of respective longitude and latitude.

The postal codes with either or both latitude and longitude missing are dropped from analysis.

During data preprocessing it was observed that few food categories within dataset had very few occurrences whereas other categories have significant presence. By analysis of the frequency of each food category, top 9 food categories were selected to obtain the basic data for this study.



Distribution of food categories across all neighbourhoods