



Battle of Neighborhood:
Classification of Metro
Stations of Bengaluru and
Identifying for the business
opportunities.

IBM Data Science
Capstone Project.

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1. Introduction

Bangalore officially known as Bengaluru (12.97° N 77.56° E) is the capital of the Indian state of Karnataka which is located in the southern part of India. Bangalore is located on the heart of Mysore Plateau which is a part of Deccan Plateau. Bangalore metro known as “Namma Metro” which translates into English as ‘Our Metro’ is a rapid transit system serving the city of Bangalore, India. It is the fourth longest operational metro network in India after the Delhi Metro, Hyderabad Metro and Chennai Metro. The metro network consists of two color-coded lines with a total length of 42.3 kilometers serving 40 stations. By 2023, the system is expected to complete its phase 2 network and provide connectivity to the city's important tech hubs of Electronic City and Whitefield.

1.1 Problem Statement

Business opportunities around the metro stations are very attractive. It attracts large amounts of people as it is a commute. So, business around the metro station will be profitable. But having the same type of business around the metro station will lead to a competitive market. As competition grows, the profits will eventually decrease.

This project mainly focuses on what kind of businesses are currently existing around the existing as well as upcoming metro stations and clustering to identify the gaps in the market. By considering the metro stations which are still in construction phase, we can plan for business which are currently not existing around those metro stations.

1.2 Target Audience

Current project will be useful for the entrepreneurs who are looking for business opportunities in Bengaluru city. It will be also useful to the property owners of the localities of the metro stations, so that they can estimate their future real estate values.

2. Data

We need the data of all the existing metro stations as well as the upcoming metro stations. The data should consists of the Station name, Co-ordinates. But unfortunately there no websites which directly give this information. So the manual data scrapping is the only solution. In this link, [Future Expansion Plans of Bangalore Metro Phase 2](#) we can find all the list of existing and upcoming metro stations of Bangalore. All the metro station name/location address will be scrapped from this web page. The location coordinates to the corresponding names will be manually scrapped from Google maps.