

# **Data Analysis Report on Family Relocation to Mumbai, India**

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## Introduction

The Analysis is aimed at helping people looking to relocate to a new city(for better standard of living) along with their family. There are many factors that need to be taken into account for family looking to settle in a new city:

1. Environmental conditions
2. Availability of Standard Schools, Colleges, Hospitals etc near by
3. Cost of real estate/ Rent
4. Traffic conditions

It becomes a very cumbersome task for someone **to find an appropriate location** to settle down keeping in mind the above constraints. For the purpose of illustration i am focussing on the city of Mumbai(India) which is the financial capital of the country.

Thousands of people come to this city every year for better professional prospects.

This analysis will **enable an individual/family to identify an optimal neighbourhood location** to settle down with his family.

## Data Gathering

Below are the data sources which would be utilised for the analysis:

- Mumbai Postcode data would be sourced from the website :<https://mumbai7.com/postal-codes-in-mumbai/>.
- Geospatial data for Mumbai Postcodes is imported into a CSV file from <http://www.geonames.org/export/zip/IN.zip> ZIP file.
- Mumbai Real Estate buy/ Rental rates fetched from <https://www.99acres.com/property-rates-and-price-trends-in-mumbai>
- Population density data from <http://www.indiaonlinepages.com/population/mumbai-population.html>

The Mumbai Postcode data can be joined with the Geospatial data to plot the various locations on the Mumbai map. This data can be then combined with the Real Estate and Population density data to narrow down the areas which are affordable for living and not too congested as well.

The Foursquare API can be leveraged for information regarding Hospitals, Schools, Colleges, Mall, Parks to identify the most suitable location.

All the above information would assist an individual/family to make an informed decision in an effective and time efficient manner.

