Final Assignment – Population in Tamil Nadu

Introduction / Business Problem

This project is divided into 3 phases

* Identifying the city with the highest population
* Create a model to predict the population in this particular city
* Use Foursquare location data to search for a few places in this city

This project is majorly aimed at building a model to predict the population of a particular city based on parameters such as:

* Birth Rate
* Death Rate
* Migration into Chennai

These parameters are most vital when determining the population of a particular place. This project will be helpful in approximating the census of a particular place. Census takes places every 10 years in India. The next census is due to take place next year(in the year 2021).

Data

* Population of different districts in Tamil Nadu according to the latest census

Using this data we plot a bar graph and find out the district having maximum population. We find out that the Chennai district has the highest population.

* Latitude and Longitude of Tamil Nadu(used for mapping)

Using this data, we visualise the map of Tamil Nadu and see how the different districts of Tamil Nadu are spread out.

* Population in the Chennai district for the past century(1911-2011)

This is the main data that will be used to build a model in order to predict the population of Chennai.

* Birth Rates, Death Rates and Migration-in data for Chennai from 1911-2011

These are the parameters that will be used to predict the population of Chennai.

* Foursquare location data to search for places in Chennai.