

# Analysis of Indian demographics and suggestion of a locality with maximum number of Indian Restaurants near Bangalore

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**This capstone project is a part of the Applied Data Science Capstone Course and has two parts.**

## **PART-I :**

In part one, a study of the demographics of India related to the total area, total population, male , female population, literacy rates and women entrepreneurs is done. Conclusions related to women entrepreneurs and the women literacy rates of the different states of India will be drawn. This analysis will give us information about states where women entrepreneurs can set up businesses. A study is done on the male literacy rate and the crimes on women and an analysis will be done to verify if the male literacy rate has an influence on the crimes on women. This will result in recommending a safe state for women with least number of crimes.

The data is obtained from the census data made available in the public domain. Different data sets from these sources will be scraped, cleaned, merged based on the requirements and necessary analysis completed

**PART-II :** Since there is a mandatory requirement to use Foursquare or a similar application and the demographic study of India does not really need such an application, I have decided to include a separate section in my project to use Foursquare to acquire data related to the eateries in and around Bangalore and a recommendation of the area with a good number of Indian Restaurants will be made.

Data from the wards of Bangalore and their latitude and longitude will be acquired using Foursquare and the suggestions will be made.