



Exploring venues in Bhopal, India

Coursera Applied Data Science Capstone

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Exploring venues in a city is valuable for visitors and companies

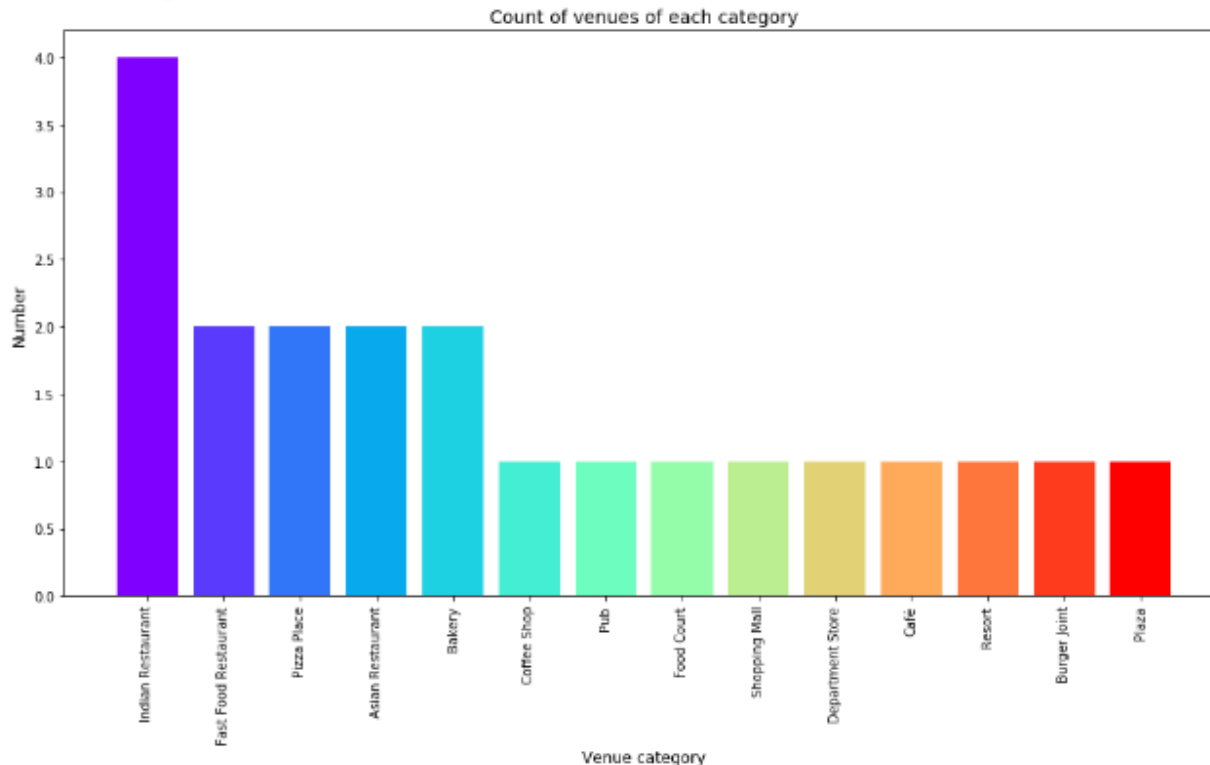
- Generally, visitors look for venues to visit and grab a meal as per their preferences.
- Companies can build applications using this information and provide visitors with further information.

Data acquisition and cleaning

- Venues information using latitude and longitude of Bhopal from FourSquare API.
- More information on venues using name, latitude, longitude of venues obtained above through Zomato API.
- Total 47 venues were obtained in the raw data.
- Combining the two datasets using latitude and longitude values.
- Duplicates, outliers etc were dropped.
- Cleaned data contains 21 venues and 8 columns.

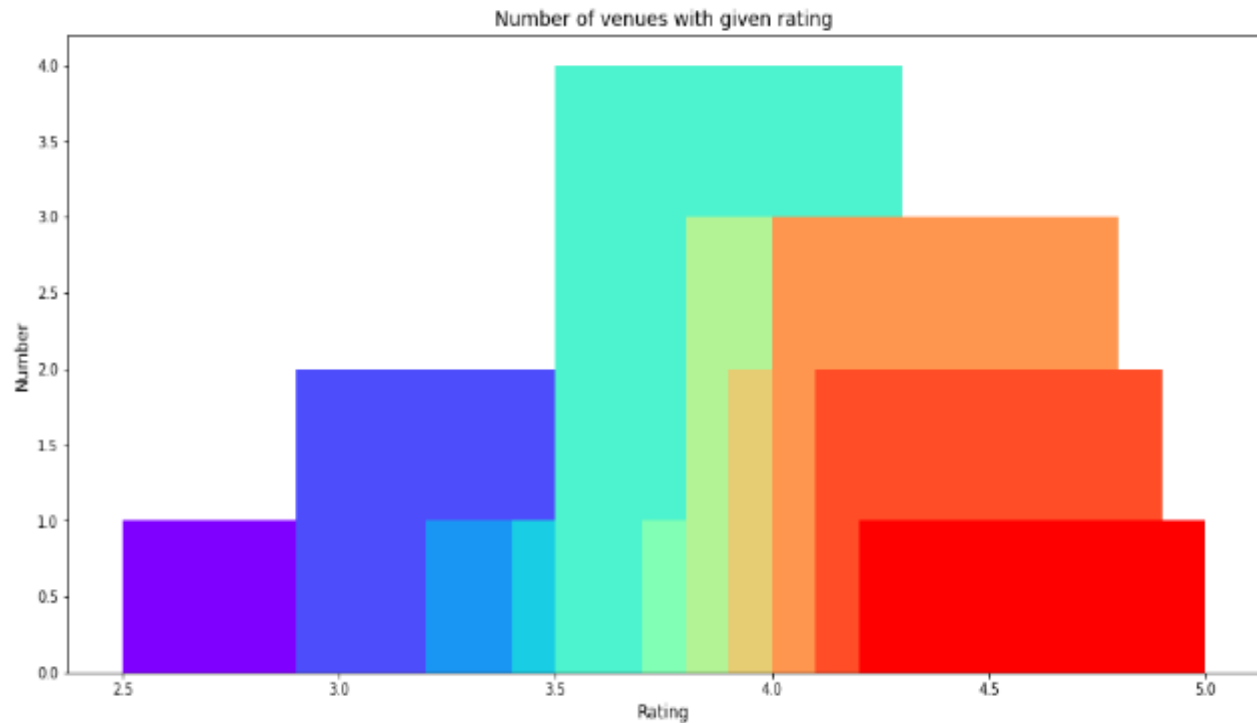
Venue Categories

- Most common types of venues in Bhopal are Indian restaurant, Fast food restaurant, Pizza place, Asian restaurant and Bakery



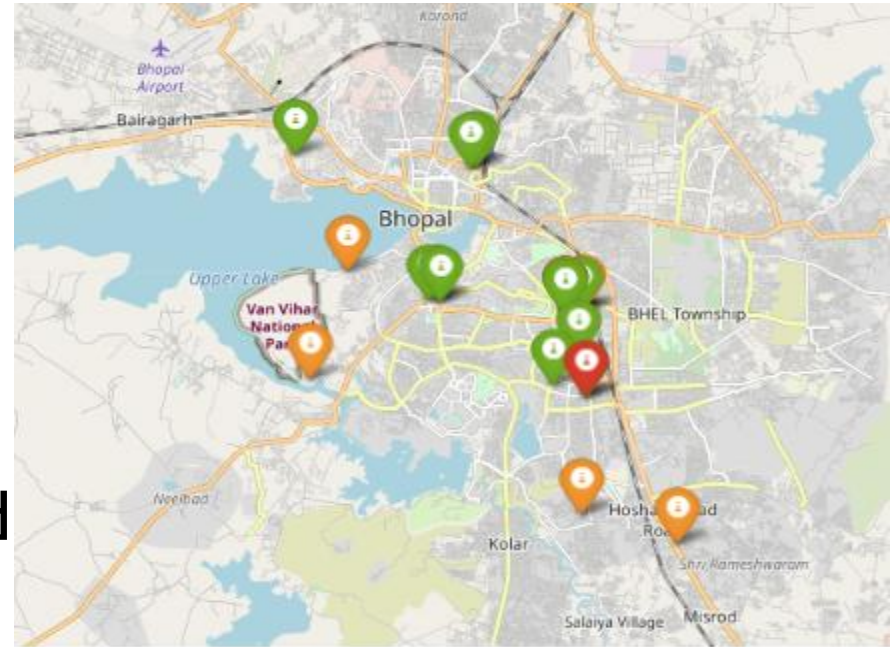
Venue Rating

- Majority of venues have a rating close to 4.



Venue Rating

- Moderately rated venues(2 to 3) in red color are very few in number.
- Good rated venues(3 to 4) in orange are nearby upper lake and down south.
- Very good rated(above 4) in green are spread across the city.



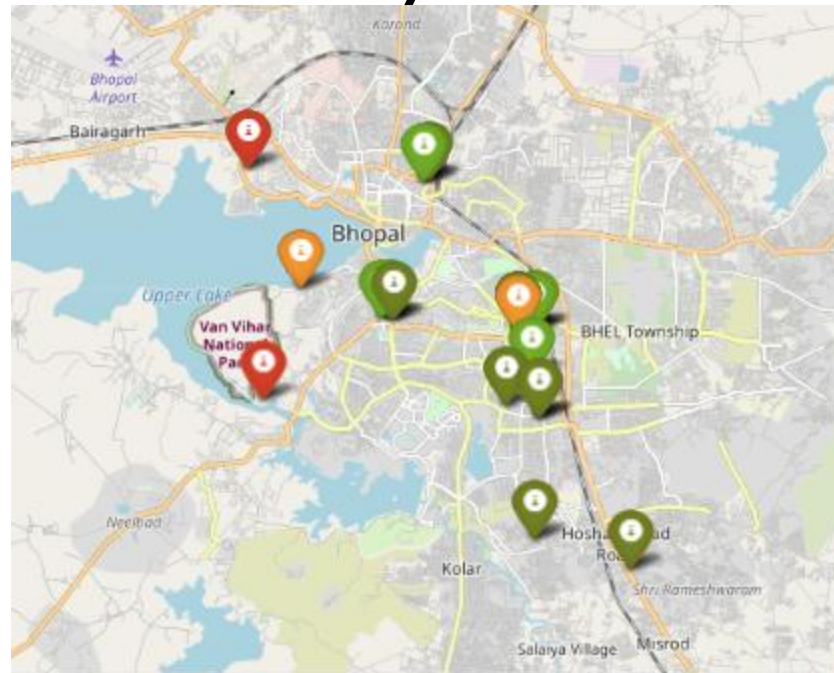
Price

- Majority of the venues have prices less than 600 Indian rupees for two people.



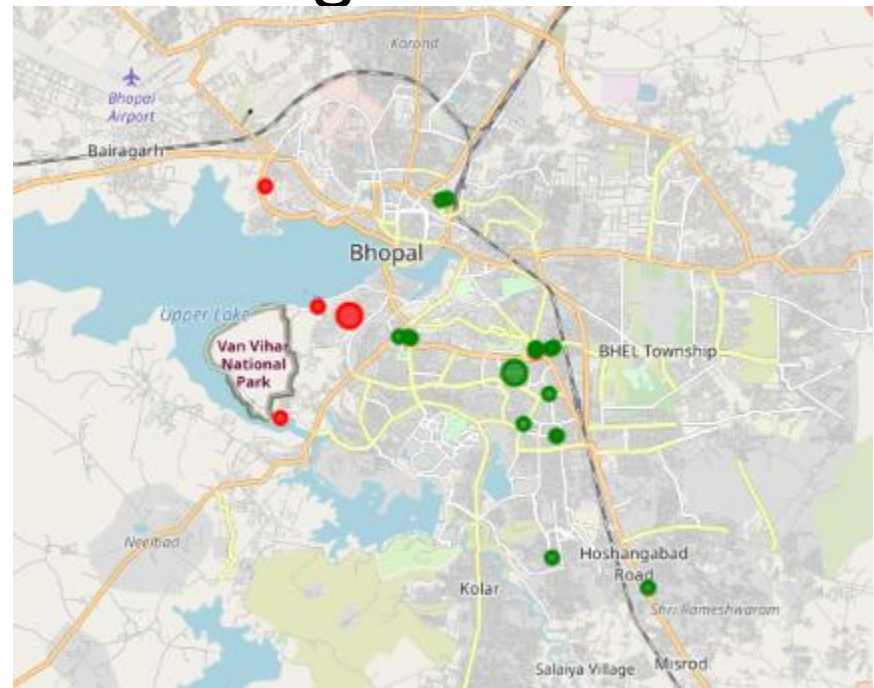
Price Range

- Higher price range venues(red) are nearby the lake.
- Lower price range(green) are spread throughout the city.



Clustering

- First cluster(green) is spread throughout the city and has a majority of venues.
- Second cluster(red) is spread around areas near the lake having limited number of venues.



Conclusion

- The maps reveal that there are two major areas one can visit- nearby upper lake and rest of the city.
- Future improvements could include data about more venues(as the city is still developing) and applying the same for other cities in India.