

# Applied Data Science Capstone Project

## The Battle of Neighborhoods

### 1. Introduction

India is a country with varied cuisines. Given the diversity in soil, climate, ethnic groups, cultures and occupations of people in various parts of India, these cuisines vary substantially- making use of locally available spices, herbs, fruits and vegetables. Indian cuisines have influenced many other cuisines across the globe. Even the global cuisines that have been brought into India have been given a local twist. This makes India a preferred spot for food connoisseurs around the globe.

This project was aimed at analysing the venues in the capital cities of India so as to find the cuisines of popular restaurants located there. This would help the food connoisseurs plan their trip across India based on their cuisine preferences and save them the trouble of having to search individual cities for the cuisines served there.

### 1. Data Description

The following sources of data were used for the project-

1. The list of the capital cities of India was scraped from the Wikipedia page- "[https://en.wikipedia.org/wiki/List\\_of\\_state\\_and\\_union\\_territory\\_capitals\\_in\\_India](https://en.wikipedia.org/wiki/List_of_state_and_union_territory_capitals_in_India)".

States and Union Territories [ edit ]

No. ♦	State or union territory ♦	Administrative capital ♦	Legislative capital ♦	Judicial capital ♦	Year of establishment ♦	Former capital ♦
1	Andaman and Nicobar Islands †	Port Blair	—	Kolkata	1956	—
2	Andhra Pradesh	Amaravati ( <i>de facto</i> from 2017) <sup>[3][4][9]</sup>	Amaravati <sup>[3]</sup>	Amaravati	1956 2014	Hyderabad <sup>[b]</sup> (1956–2017)
3	Arunachal Pradesh	Itanagar	Itanagar	Guwahati	1987	—
4	Assam	Dispur	Guwahati	Guwahati	1972	Shillong <sup>[c]</sup> (1950–1972)
5	Bihar	Patna	Patna	Patna	1950	—
6	Chandigarh †	Chandigarh <sup>[d]</sup>	—	Chandigarh	1966	—
7	Chhattisgarh	Naya Raipur	Raipur	Bilaspur	2000	—
8	Dadra and Nagar Haveli and Daman and Diu †	Daman	—	Mumbai	2020	—
9	Delhi †	New Delhi	New Delhi	New Delhi	1956	—
10	Goa	Panaji <sup>[e]</sup>	Porvorim	Mumbai	1987	—
11	Gujarat	Gandhinagar	Gandhinagar	Ahmedabad	1960	Ahmedabad (1960–1970)
12	Haryana	Chandigarh	Chandigarh	Chandigarh	1966	—
13	Himachal Pradesh	Shimla	Shimla (Summer) Dharamsala (Winter) <sup>[8]</sup>	Shimla	1971 2017	—
14	Jammu and Kashmir †	Srinagar (Summer) <sup>[9]</sup> Jammu (Winter)	Srinagar (Summer) Jammu (Winter)	Srinagar (Summer) Jammu (Winter)	2019	—
15	Jharkhand	Ranchi	Ranchi	Ranchi	2000	—
16	Karnataka	Bangalore	Bangalore	Bangalore	1956	—
17	Kerala	Thiruvananthapuram	Thiruvananthapuram	Kochi	1956	—
18	Ladakh †	Leh (Summer)	—	Srinagar (Summer)	1987	—

**Table 1.** The table on Wikipedia page- “List of state and union territory capitals in India”, from which the “Administrative capital” column data was used.

2. Python's 'geopy' package was used to get the latitudes and longitudes of the capital cities of India.
3. The Foursquare API was used to explore the capital cities of India.