

Data Science Capstone Project

Description of the problem:

India is called a sub continent where 'Unity in diversity' is prominently visible. Several states of India represent several cultures. Tourism is one of most important business in India. Kerala is located in the southwestern most part of the country. All of 14 districts are as diverse as prosperous for tourism and new business.

In this analysis, we will analysis below details for state Kerala

1. Tourism details comparison among all districts
2. Business prospects for different districts.

Description of the Data:

The data used are –

1. Here, we are scraping data from the below page and converting to pandas dataframe

https://en.wikipedia.org/wiki/List_of_districts_in_India

2. Four Square API is being used to get venues details for neighborhoods in Kerala.

Sample Data:

	State	Code	District	Headquarters	Population	Area in km2	Density per km2	Latitude	Longitude
0	Andhra Pradesh	AN	Anantapur	Anantapur	4083315	19130	213	14.685564	77.595406
1	Andhra Pradesh	CH	Chittoor	Chittoor	4170468	15152	275	13.217096	79.100677
2	Andhra Pradesh	CU	Kadapa	Kadapa	2884524	15359	188	14.477234	78.804932
3	Andhra Pradesh	EG	East Godavari	Kakinada	5151549	10807	477	17.321250	82.040714
4	Andhra Pradesh	GU	Guntur	Guntur	4889230	11391	429	16.314209	80.435028

	State	Code	District	Headquarters	Population	Area in km2	Density per km2	Latitude	Longitude
0	Kerala	AL	Alappuzha	Alappuzha	2121943	1415	1501	9.498067	76.338844
1	Kerala	ER	Ernakulam	Kakkanad	3279860	3063	1069	9.931233	76.267303
2	Kerala	ID	Idukki	Painavu	1107453	4356	254	9.813808	76.929735
3	Kerala	KN	Kannur	Kannur	2525637	2961	852	11.874477	75.370369
4	Kerala	KS	Kasaragod	Kasaragod	1302600	1989	654	12.507643	74.988213
5	Kerala	KL	Kollam	Kollam	2629703	2483	1056	8.893212	76.614143
6	Kerala	KT	Kottayam	Kottayam	1979384	2206	896	9.591441	76.522171
7	Kerala	KZ	Kozhikode	Kozhikode	3089543	2345	1318	11.258753	75.780411
8	Kerala	MA	Malappuram	Malappuram	4110956	3554	1058	11.072035	76.074005
9	Kerala	PL	Palakkad	Palakkad	2810892	4482	627	10.784703	76.653145
10	Kerala	PT	Pathanamthitta	Pathanamthitta	1195537	2652	453	9.264758	76.787041
11	Kerala	TS	Thrissur	Thrissur	3110327	3027	1026	10.517096	76.212578
12	Kerala	TV	Thiruvananthapuram	Thiruvananthapuram	3307284	2189	1509	8.524139	76.936638
13	Kerala	WA	Wayanad	Kalpetta	816558	2130	383	11.703206	76.083400