PROJECT-2

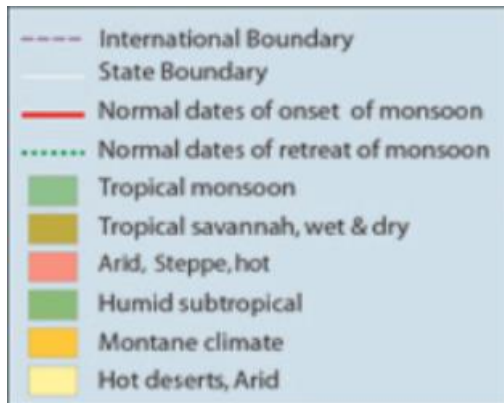|	
----	International Boundary
	State Boundary
——	Normal dates of onset of monsoon
......	Normal dates of retreat of monsoon
🟩	Tropical monsoon
🟫	Tropical savannah, wet & dry
🟥	Arid, Steppe, hot
🟩	Humid subtropical
🟧	Montane climate
🟨	Hot deserts, Arid

The Sea-green colour represents the states having Tropical Monsoon Season.

- This season is being faced by the middle states like Madhya Pradesh, Uttar Pradesh, Bihar, Jharkhand etc.

The Mustard colour represents the tropical wet and dry(Savannah) Season.

- A tropical monsoon climate prevails in the Western Ghats, the Malabar Coast, southern Assam, Lakshadweep, and the Andaman & Nicobar Islands.

The Pink colour represents the states having Tropical Dry Season(Tropical Semi-arid, Subtropical-arid and Subtropical Semiarid).

- This season is experienced in the states of Gujarat, Haryana, Delhi, Chandigarh, Andhra Pradesh etc.

The Green colour depicts the region with Humid Subtropical Region.

- This season is experienced by eastern states like Meghalaya, Assam, Nagaland, Tripura etc.

The Yellow colour represents the states with Montane climate.

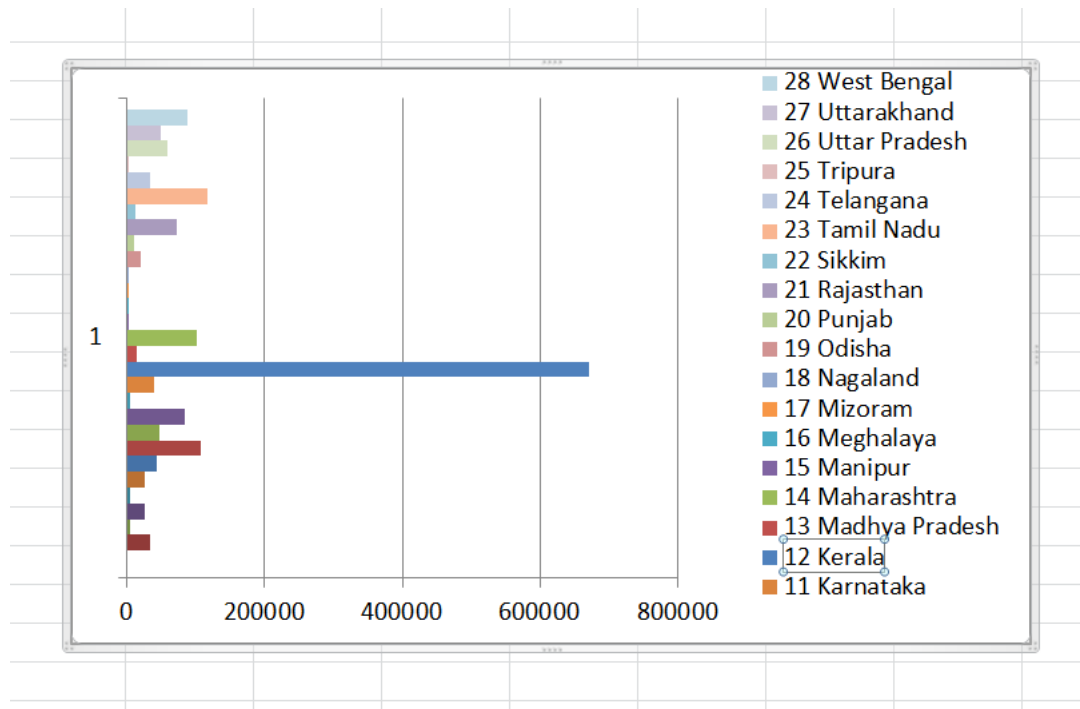- The northern side of the western Himalayas, known as the trans-Himalayan region, is chilly, dry, and windswept.

The Beige colour represents the area with Hot desserts and Arid Climate.

- This season is experienced in parts of Rajasthan.

QUESTIONS

1. Which state has the highest number of hotels? Depict this via a bar graph that compares all states.

Ans1. From this Bar graph we can study that Kerala has max number of hotels.
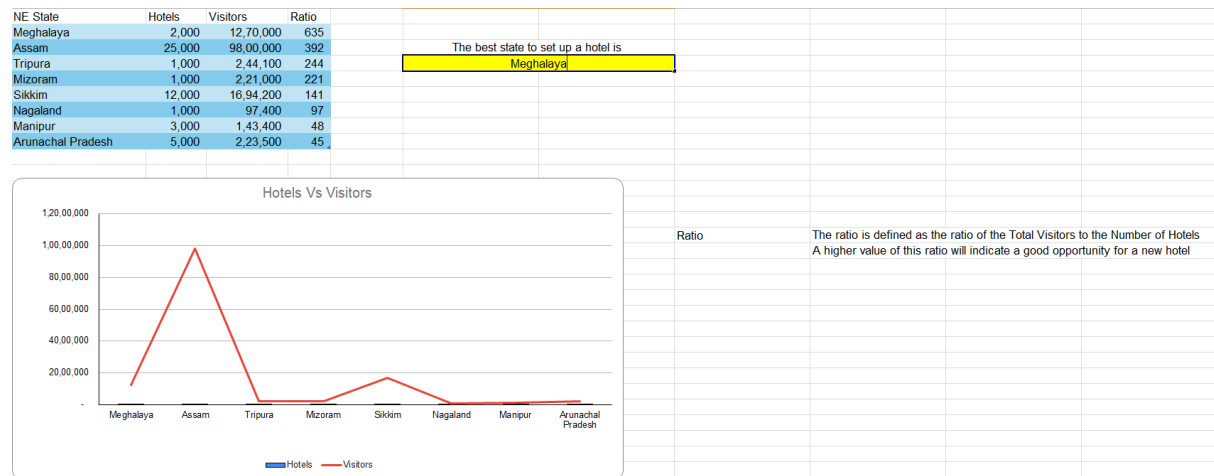
2. Which states have three types of climatic conditions? (convert the map, an unstructured data, to an Excel file in a structured format and mention the number of climates along with the state

States	No of Climate Types			
Himachal Pradesh	3		The Following States	
Maharashtra	3		have 3 Climate Types	
Karnataka	3		1	Himachal Pradesh
Madhya Pradesh	3		2	Maharashtra
Tamil Nadu	3		3	Tamil Nadu
Andhra Pradesh	2		4	Madhya Pradesh
Arunachal Pradesh	2		5	Karnataka
Chhattisgarh	2			
Gujarat	2			
Haryana	2			
Jharkhand	2			
Odisha	2			
Punjab	2			
Telangana	2			
Uttar Pradesh	2			
Uttarakhand	2			
West Bengal	2			
Assam	1			
Bihar	1			
Goa	1			
Kerala	1			
Manipur	1			
Meghalaya	1			
Mizoram	1			
Nagaland	1			
Rajasthan	1			
Sikkim	1			
Tripura	1			

Ans 2. From the following Structured data we can visualise the number of climates experienced by each of the states.

- The states which have 3 types of climatic conditions are:
  1. Himachal Pradesh
  2. Maharashtra
  3. Tamil Nadu
  4. Madhya Pradesh
  5. Karnataka

3. Among the northeastern states which are best to set up a hotel? Use Clustered Column Chart and give recommendations for hotel industry investors.

NE State	Hotels	Visitors	Ratio
Meghalaya	2,000	12,70,000	635
Assam	25,000	98,00,000	392
Tripura	1,000	2,44,100	244
Mizoram	1,000	2,21,000	221
Sikkim	12,000	16,94,200	141
Nagaland	1,000	97,400	97
Manipur	3,000	1,43,400	48
Arunachal Pradesh	5,000	2,23,500	45

The best state to set up a hotel is
Meghalaya

Ratio

The ratio is defined as the ratio of the Total Visitors to the Number of Hotels
A higher value of this ratio will indicate a good opportunity for a new hotel

Hotels Vs Visitors

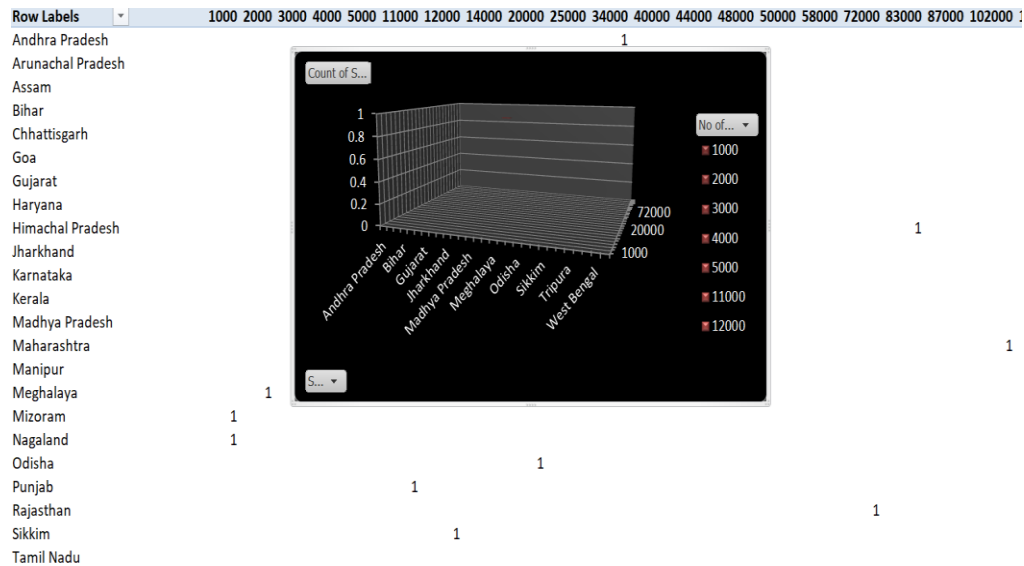Ans 3. Among the north-eastern states Meghalaya is best to set up a hotel with a ratio(Total visitors to number of hotels) of **635**.

This ratio can also be visualized from the Clustered column chart.
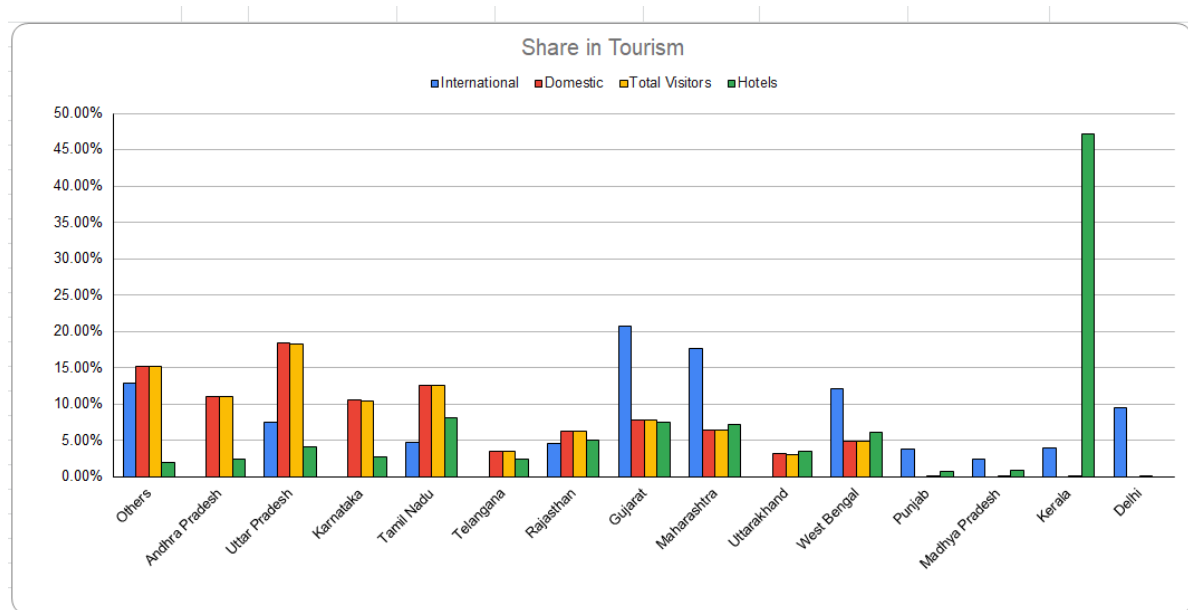
Recommendations for hotel industry investors:

- The investors should focus on expanding their business in areas of Nagaland, Manipur and Arunachal Pradesh where Tourism is high as compared to the number of

4. Customise the pivot charts to add/change the fields in the fields list with other fields and by using chart styles to customise the charts. (choose the data and parameters according to your choice)

Row Labels	1000	2000	3000	4000	5000	11000	12000	14000	20000	25000	34000	40000	44000	48000	50000	58000	72000	83000	87000	102000
Andhra Pradesh															1					
Arunachal Pradesh																				
Assam																				
Bihar																				
Chhattisgarh																				
Goa																				
Gujarat																				
Haryana																				
Himachal Pradesh																			1	
Jharkhand																				
Karnataka																				
Kerala																				
Madhya Pradesh																				
Maharashtra																				1
Manipur																				
Meghalaya	1																			
Mizoram	1																			
Nagaland	1																			
Odisha						1														
Punjab				1																
Rajasthan																	1			
Sikkim					1															
Tamil Nadu																				

5. Which is the best state for setting up a hotel? Why?

| State/UT | Ratio | Share in % | | | | Values | | | |
		Total Visitors	Hotels	International	Domestic	International (in	Domestic (in	Total Visitors (in	Hotels
Others	7.81	15.24%	1.95%	12.97%	15.25%	1.11	264.01	265.12	27,800
Andhra Pradesh	4.64	11.08%	2.39%	0.00%	11.13%		192.72	192.72	34,000
Uttar Pradesh	4.50	18.31%	4.07%	7.56%	18.37%	0.65	317.91	318.56	58,000
Karnataka	3.74	10.49%	2.81%	0.00%	10.54%		182.41	182.41	40,000
Tamil Nadu	1.55	12.59%	8.14%	4.74%	12.63%	0.41	218.58	218.99	1,16,000
Telangana	1.46	3.49%	2.39%	0.00%	3.51%		60.75	60.75	34,000
Rajasthan	1.24	6.25%	5.05%	4.62%	6.26%	0.40	108.33	108.73	72,000
Gujarat	1.05	7.91%	7.51%	20.70%	7.85%	1.78	135.81	137.59	1,07,000
Maharashtra	0.91	6.48%	7.16%	17.60%	6.43%	1.51	111.30	112.81	1,02,000
Uttarakhand	0.90	3.14%	3.51%	0.00%	3.16%		54.64	54.64	50,000
West Bengal	0.81	4.92%	6.11%	12.07%	4.87%	1.04	84.54	85.58	87,000
Punjab	0.02	0.02%	0.77%	3.84%	0.00%	0.33		0.33	11,000
Madhya Pradesh	0.01	0.01%	0.98%	2.38%	0.00%	0.20		0.20	14,000
Kerala	0.00	0.02%	47.16%	4.02%	0.00%	0.35		0.35	6,72,000
Delhi	-	0.05%	0.00%	9.50%	0.00%	0.82		0.82	
Total		100.00%	100.00%	100.00%	100.00%	8.60	1,731.00	1,739.60	14,24,800

Ans 5. The best state to set up a hotel is
Uttar Pradesh

This is because
- It has very large inflow of tourists
- It has low number of hotels
- Andhra Pradesh has a slightly higher value for the ratio, but UP has a lower number of rainy days

Ratio
The ratio is defined as the ratio of the % share of Total Visitors to the % Share of the number of Hotels in that State.
A higher value of this ratio will indicate a good opportunity for a new hotel.

6.What is the average number of days the rainy season lasts in Indian states?

Manipur	01 June	15 October	136
Meghalaya	01 June	15 October	136
Mizoram	01 June	15 October	136
Tamil Nadu	01 June	15 October	136
Tripura	01 June	15 October	136
Andhra Pradesh	05 June	15 October	132
Assam	05 June	15 October	132
Karnataka	05 June	15 October	132
Nagaland	05 June	15 October	132
Telangana	05 June	15 October	132
Goa	10 June	15 October	127
Maharashtra	10 June	15 October	127
Odisha	10 June	15 October	127
Sikkim	10 June	15 October	127
West Bengal	10 June	15 October	127
Bihar	15 June	15 October	122
Chhattisgarh	15 June	15 October	122
Jharkhand	15 June	15 October	122
Madhya Pradesh	15 June	15 October	122
Gujarat	15 June	01 October	108
Himachal Pradesh	01 July	01 October	92
Uttar Pradesh	01 July	01 October	92
Uttarakhand	01 July	01 October	92
Haryana	15 July	01 October	78
Punjab	01 July	15 September	76
Rajasthan	15 July	15 September	62
Arunachal Pradesh			
Ladakh			
Jammu & Kashmir	45,839.00		
Total	27 June	10 October	118.48
The Monsoon Season Lasts for an average of			
118 days			

Ans 6. Average number of days rainy season lasts in Indian States is 118 days(approx.)