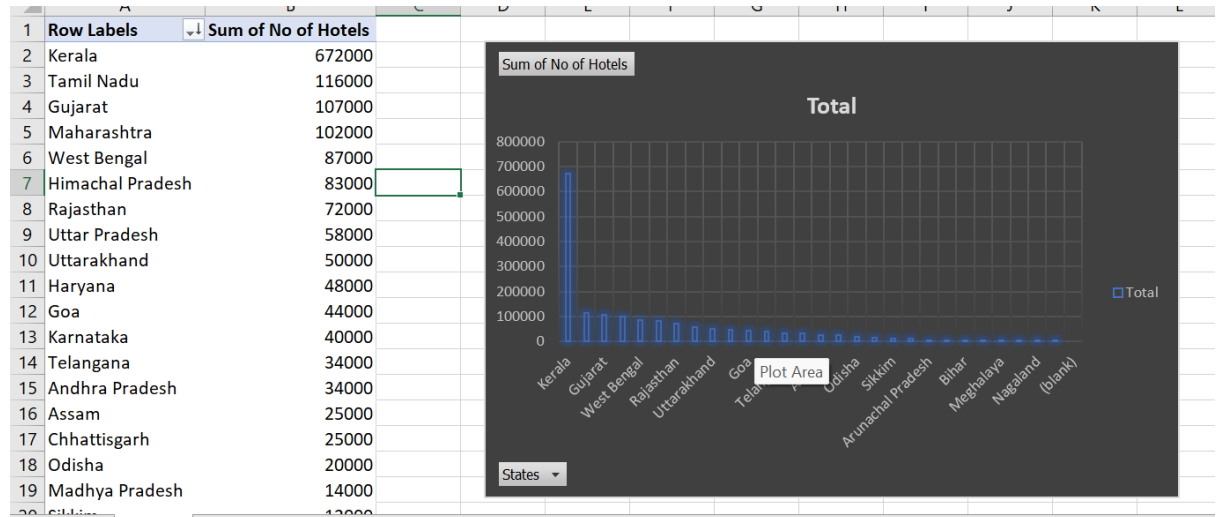


FINLATICS PROJECT 02

ANSWERING THE QUESTIONS:

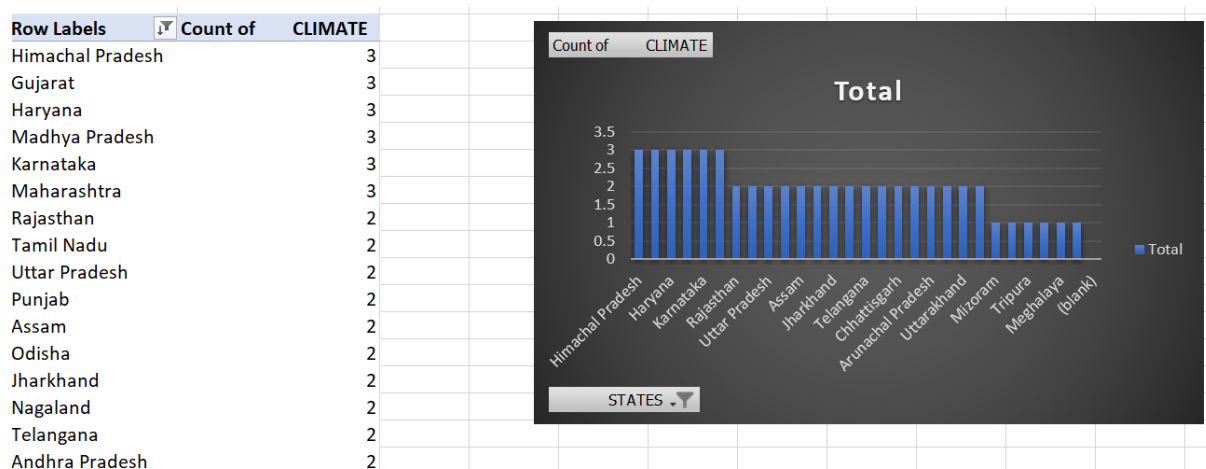
1. Which state has the highest number of hotels? Depict this via a bar graph that compares all states.

The highest number of hotels are present in Kerela which we could infer by making a pivot table for the data and then sorting it.



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)

The following states have 3 types of climate conditions, I was able to achieve the same by making converting the climate data into a more structured form and making its pivot table, pivot chart and sorting it.

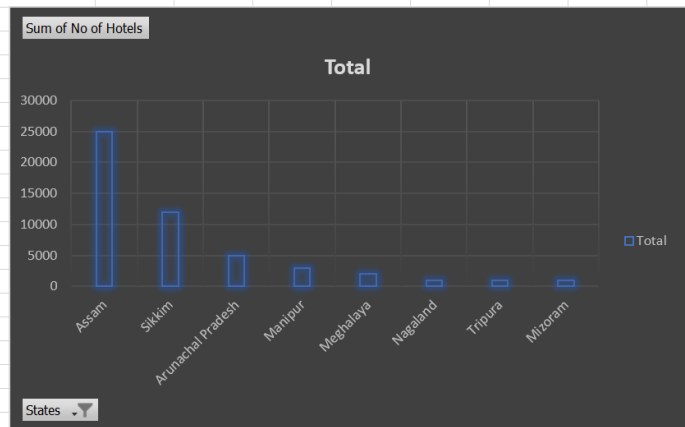


FINLATICS PROJECT 02

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

I used my previous pivot table and sorted it for the north eastern states, the chart showed me the no. of hotels already set up in these states.

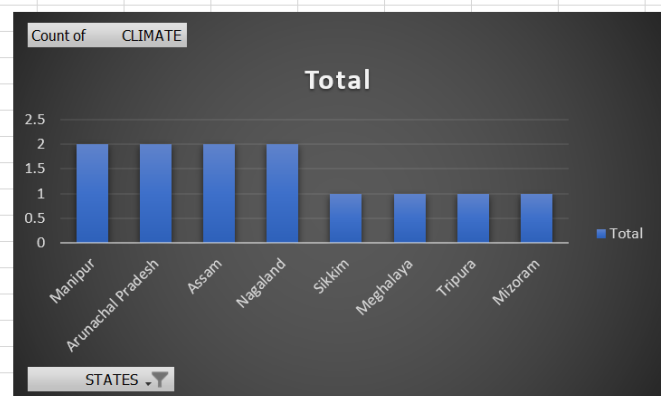
Row Labels	Sum of No of Hotels
Assam	25000
Sikkim	12000
Arunachal Pradesh	5000
Manipur	3000
Meghalaya	2000
Nagaland	1000
Tripura	1000
Mizoram	1000
Grand Total	50000



The states with greater no. of hotels simply suggest that the tourism sector in these states is booming and an investment to make hotels in these states would be a good option but would also mean a fierce competition because of the large no. of hotels already set up.

I also sorted out the data for climate types in each state as less no. of climate types would mean less resources to maintain the hotels in these states.

Row Labels	Count of	CLIMATE
Manipur	2	
Arunachal Pradesh	2	
Assam	2	
Nagaland	2	
Sikkim	1	
Meghalaya	1	
Tripura	1	
Mizoram	1	
Grand Total	12	



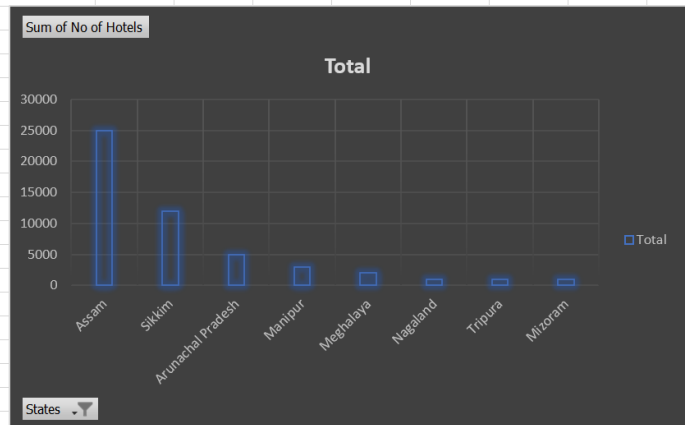
We take the intersections of both these datas' to come to a decision and I feel Sikkim is the best option to set up hotels as already a booming tourism sector and not as high as a competition compared to hotels in Assam, Sikkim also just faces a single climate type throughout the year thus suggesting an easier maintenance of the hotels.

- 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)

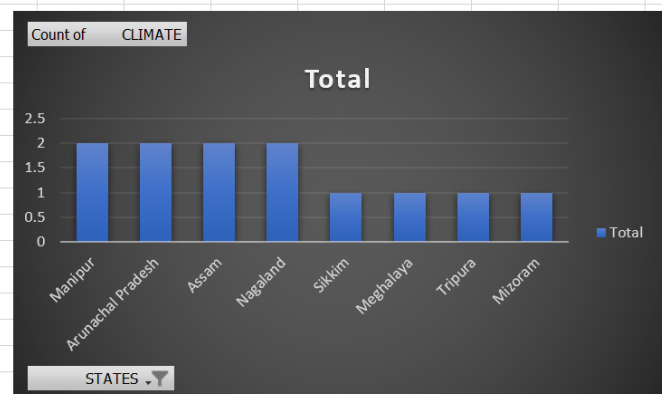
Applying slicers to my pivot tables I sorted my pivot tables and charts.

FINLATICS PROJECT 02

Row Labels	Sum of No of Hotels
Assam	25000
Sikkim	12000
Arunachal Pradesh	5000
Manipur	3000
Meghalaya	2000
Nagaland	1000
Tripura	1000
Mizoram	1000
Grand Total	50000



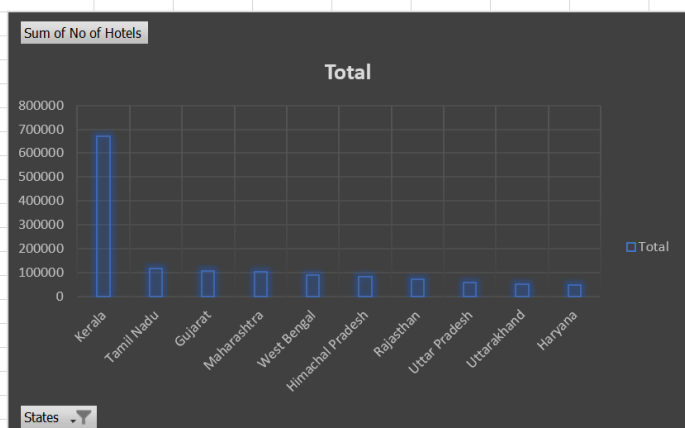
Row Labels	Count of	CLIMATE
Manipur	2	
Arunachal Pradesh	2	
Assam	2	
Nagaland	2	
Sikkim	1	
Meghalaya	1	
Tripura	1	
Mizoram	1	
Grand Total	12	



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

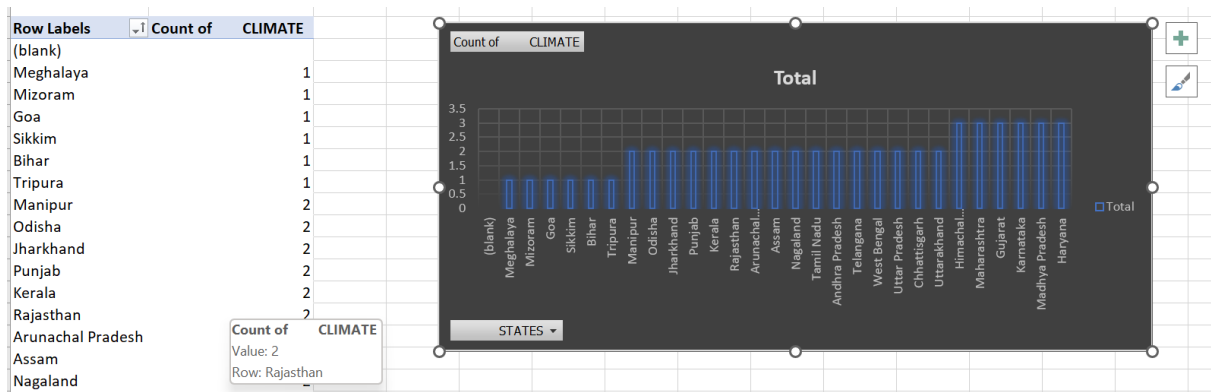
Row Labels	Sum of No of Hotels
Kerala	672000
Tamil Nadu	116000
Gujarat	107000
Maharashtra	102000
West Bengal	87000
Himachal Pradesh	83000
Rajasthan	72000
Uttar Pradesh	58000
Uttarakhand	50000
Haryana	48000
Grand Total	1395000

Sum of No of Hotels
Value: 1395000
Row: Grand Total



By sorting the table we find the top 10 booming tourist states in India, now using this data along with the data of the amount of climate change in each state we can figure out the places best suited to set up a hotel in India.

FINLATICS PROJECT 02



So, using this data we can infer that Kerala is the best state to set up a hotel as it has already the most booming tourism sector and the state goes through only two climate types compared to a three of many other states.

Thus, Kerala is the best state for setting up a hotel.

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

C8					=AVERAGE(C2:C7)				
	A	B	C	D	E				
1	ONSET	RETREAT	No. of days						
2	Jul-22	Sep-22	48						
3	Jul-22	Sep-22	76						
4	Jun-22	Oct-22	108						
5	Jun-22	Oct-22	122						
6	Jun-22	Oct-22	132						
7	Jun-22	Oct-22	136						
8			103.6666667						
9									
10									
11									
12									

Making the onset and retreat of monsoon into a structured form of data I took out the average no. of days monsoon lasts in the country and it came out to 104 days.