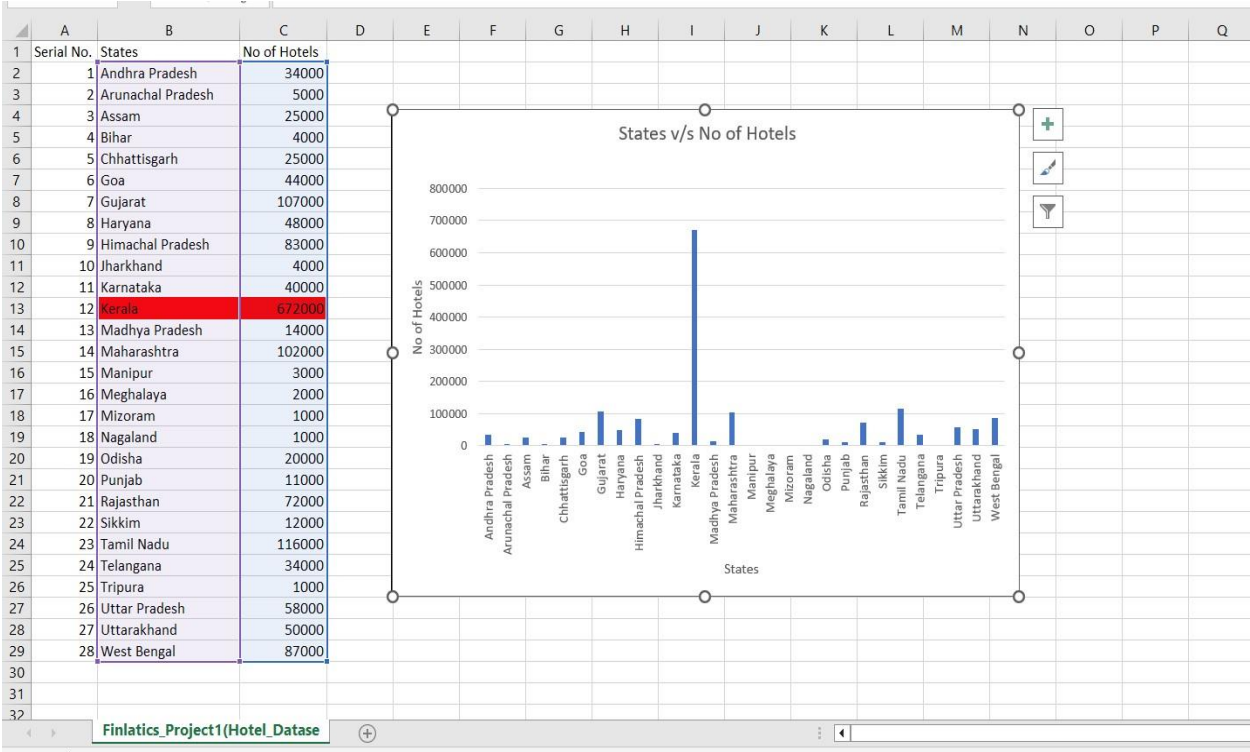


BUSINESS ANALYST EXPERIENCE PROGRAM
Project-2

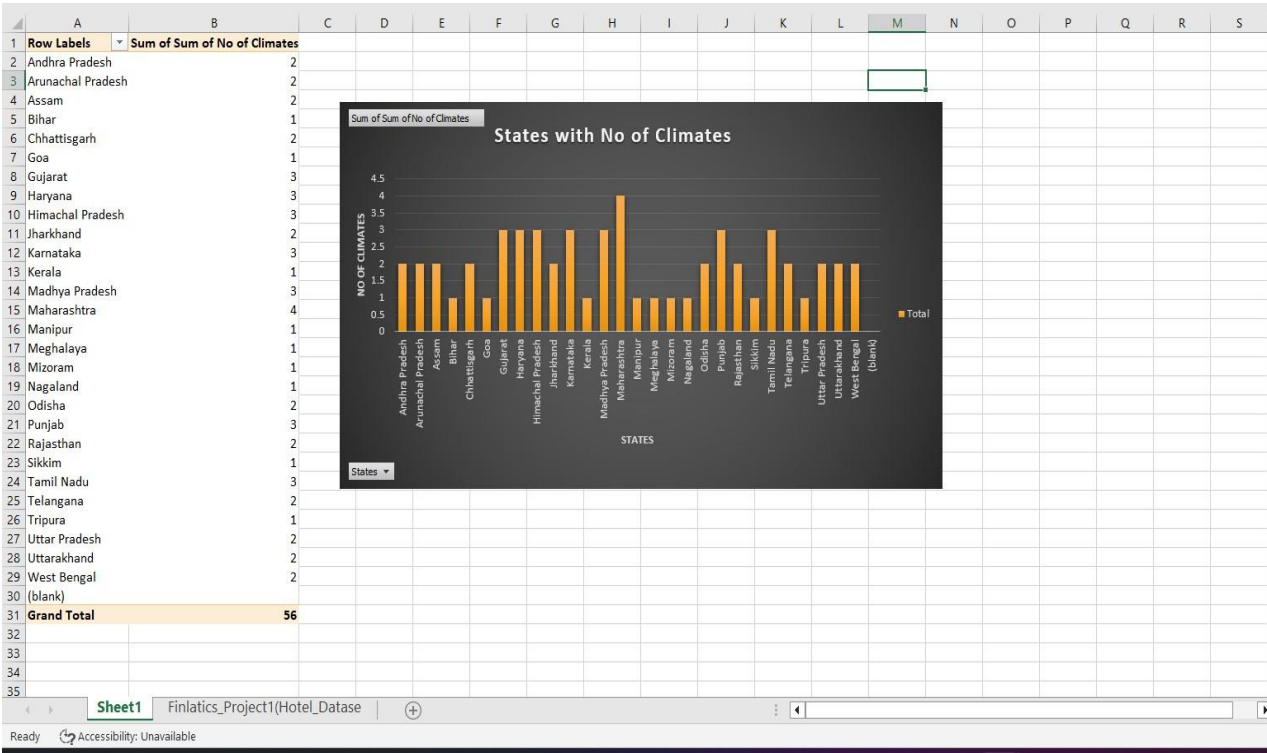
Name: Pavan Kumar C
College:Indian Institute of Technology Kanpur
Mobile No: 9182266833 (for any feedback)

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



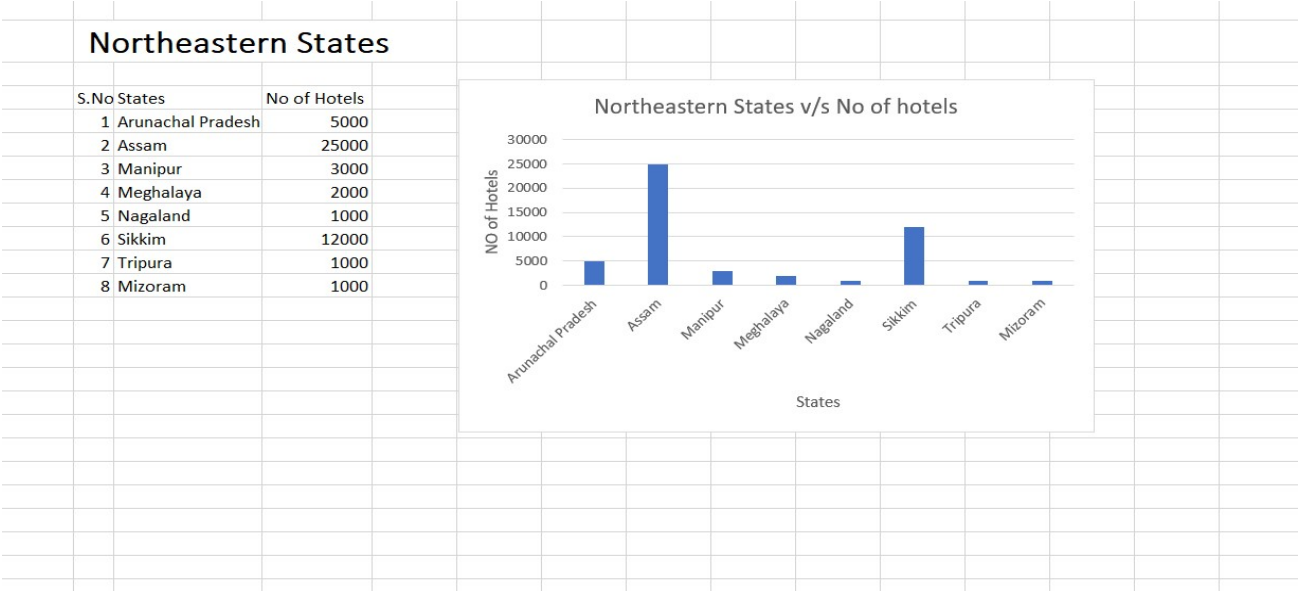
Kerala has the highest number of hotels in India

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)



Based on this analysis , Gujarat, Haryana,Himachal Pradesh,Karnataka,Madhya Pradesh,Punjab,Tamil Nadu are the states with three climatic conditions in India

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



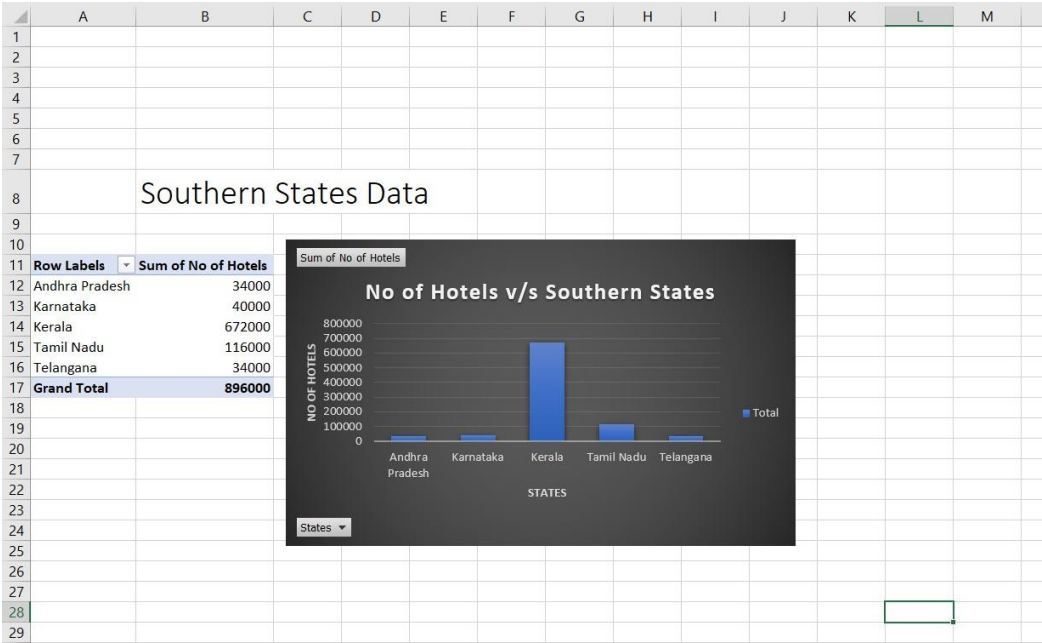
Clearly from the graph we can see that West Bengal has the highest number of hotels, followed by Assam, Chhattisgarh, Odisha and Sikkim. States like Meghalaya, Mizoram, Nagaland and Tripura have very less number of hotels. My recommendations for investors would be to start hotels in states with less hotels such as Mizoram, Nagaland and Tripura. This is because the number of hotels in these states are less and hence the competition would therefore be less. Also the new hotels can easily market their service since the competition is less. In states like West Bengal, Assam and Chhattisgarh, the number of hotels are comparatively higher and hence there would be a lot of competition for the new upcoming hotels.

Also investors have to consider the factor of tourism,Assam, Sikkim, and Meghalaya seem to have a relatively more developed tourism infrastructure, making them safer bets for hotel investments.

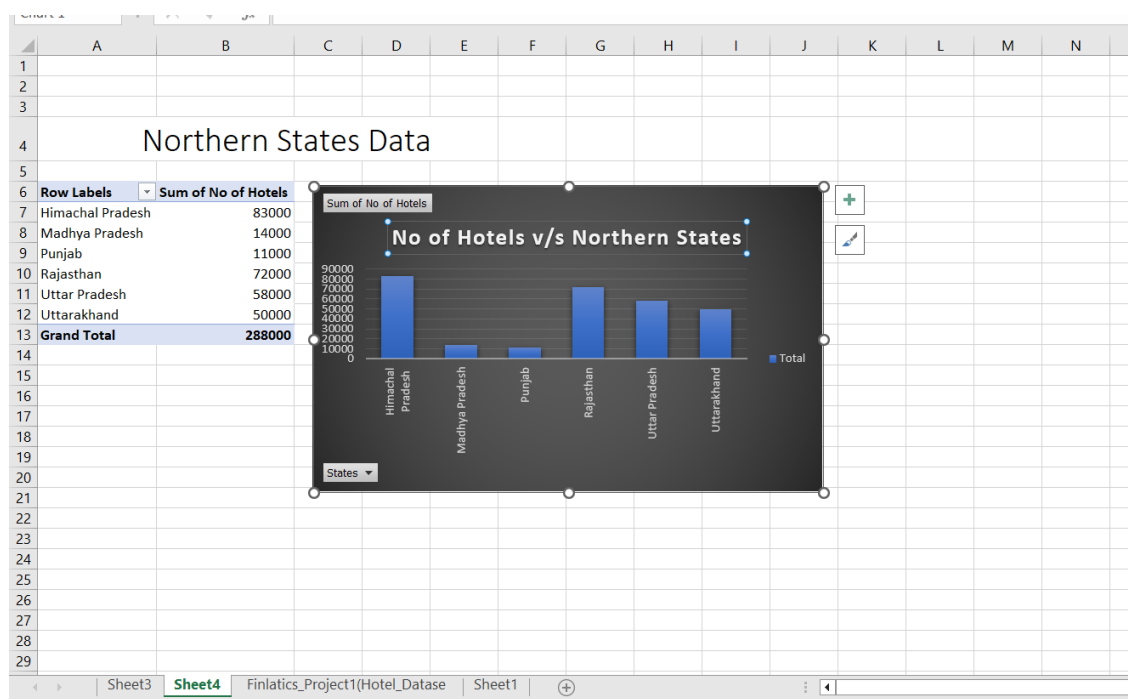
While the other states may have limited tourism development, they also offer opportunities for early entrants to establish their presence.

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)

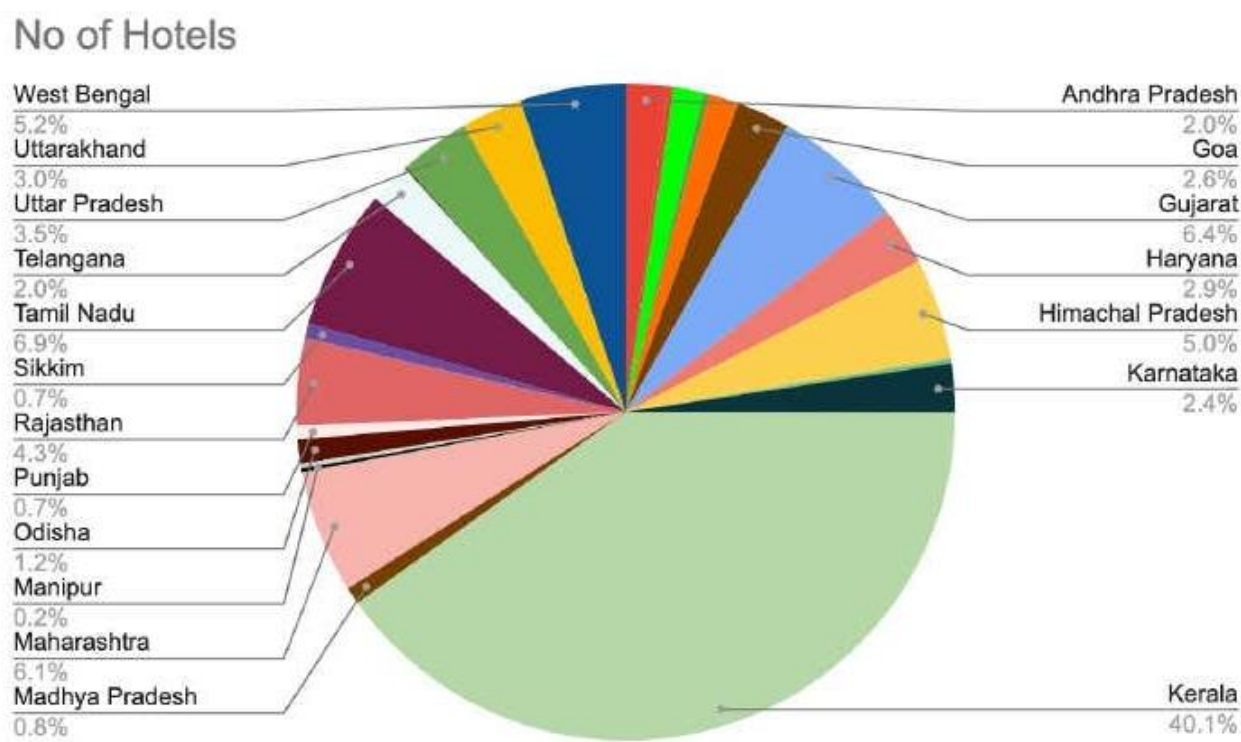
A)Pivot table and chart for hotels in the southern states of India



B)Pivot table and chart for hotels in the Northern states of India



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



From the above pie chart, we observe the percentage of hotels in each state as given in the dataset. This helps us to easily understand the best state to set up a hotel. Clearly , Kerala has the highest number of hotels, this can be due to various reasons such as tourist travelers, increasing demand and companies for corporate use . So the best state to set up a hotel in India is Kerala.

The reasons for this is stated as follows :

- Kerala with its rich culture and heritage is one of the top states for tourists from India and all over the world. It attracts around 60 thousand tourists every year . This is one of the important factors for starting a hotel. There is always an increasing demand for hotels and other related services due to the ever growing tourists to this state.
- The second reason which I would state is that there are many companies both industrial and MNC based in the state of Kerala. This increases the corporate need for hotels for stay during important meetings and conferences.

Hence this is another reason to set up a hotel in Kerala . Hence with all the reasons mentioned above, in my suggestion the best state to set up a hotel is Kerala.

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

From the India map given to us the bold red line and the green dotted line indicate the onset and retreat of monsoon respectively. The onset of monsoon starts in India around June 1 and ends around July 15, whereas the retreat of monsoon starts around September 1 and ends around October 15. This is obtained from the map given. Hence the whole monsoon season (onset and retreat) lasts from June 1 to October 15, which is around 136 days. Hence, the average number of days the rainy season lasts in the Indian states is 136 days a year.