PROJECT 2

Q1. Which state has the highest number of hotels? Depict this via a bar graph that compares all states.

**Answer:** Kerala (672000) has the Highest Number of Hotels.

Q2. 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)

**Answer:** Gujarat, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Punjab, Tamil Nadu, West Bengal and Maharashtra(4) have three types of Climatic Conditions.

Q3. Among the north-eastern states which are best to set up a hotel? Use Clustered Column Chart and give recommendations for hotel industry investors.

**Answer:**

1. Based on the data given, according to me, the best state to set up a hotel in the North-East is Arunachal Pradesh. It has lower number of hotels, so there is less competition. Arunachal Pradesh has more seasons compared to other states, so tourists can enjoy different seasons here. It also has good number of Rainy days, so tourists can enjoy beautiful waterfalls, greenery, and the weather, for a long duration.
2. The number of Hotels in Assam is very high, it means that a lot of tourists visit Assam, so setting up a hotel in Assam will be profitable as the hotel will get a share of the high footfall in the State.

Q4. 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)

**Pivot Table:**



**Pivot Chart:**

**2.**

Pivot Table:

|  |  |  |
| --- | --- | --- |
| **States** | **Sum of No of Hotels** | **Sum of No. of Tourists** |
| Andhra Pradesh | 34000 | 237331864 |
| Arunachal Pradesh | 5000 | 563464 |
| Assam | 25000 | 5474683 |
| Bihar | 4000 | 35083179 |
| Chhattisgarh | 25000 | 17311323 |
| Goa | 44000 | 8064400 |
| Gujarat | 107000 | 59460268 |
| Haryana | 48000 | 4597063 |
| Himachal Pradesh | 83000 | 17212107 |
| Jharkhand | 4000 | 35756811 |
| Karnataka | 40000 | 228543468 |
| Kerala | 672000 | 19574004 |
| Madhya Pradesh | 14000 | 89035097 |
| Maharashtra | 102000 | 154823407 |
| Manipur | 3000 | 181168 |
| Meghalaya | 2000 | 1271446 |
| Mizoram | 1000 | 166011 |
| Nagaland | 1000 | 131526 |
| Odisha | 20000 | 15422765 |
| Punjab | 11000 | 48486730 |
| Rajasthan | 72000 | 53825991 |
| Sikkim | 12000 | 1555211 |
| Tamil Nadu | 116000 | 501731584 |
| Telangana | 34000 | 83359220 |
| Tripura | 1000 | 591606 |
| Uttar Pradesh | 58000 | 540600343 |
| Uttarakhand | 50000 | 37738193 |
| West Bengal | 87000 | 94022170 |

Pivot Chart:

3.

Pivot Table:

|  |  |  |
| --- | --- | --- |
| **States** | **Sum of No. of Heritage Sites** | **Sum of No. of Tourists** |
| Andhra Pradesh | 0 | 237331864 |
| Arunachal Pradesh | 0 | 563464 |
| Assam | 2 | 5474683 |
| Bihar | 2 | 35083179 |
| Chhattisgarh | 0 | 17311323 |
| Goa | 0 | 8064400 |
| Gujarat | 3 | 59460268 |
| Haryana | 0 | 4597063 |
| Himachal Pradesh | 2 | 17212107 |
| Jharkhand | 0 | 35756811 |
| Karnataka | 3 | 228543468 |
| Kerala | 1 | 19574004 |
| Madhya Pradesh | 3 | 89035097 |
| Maharashtra | 6 | 154823407 |
| Manipur | 0 | 181168 |
| Meghalaya | 0 | 1271446 |
| Mizoram | 0 | 166011 |
| Nagaland | 0 | 131526 |
| Odisha | 1 | 15422765 |
| Punjab | 1 | 48486730 |
| Rajasthan | 4 | 53825991 |
| Sikkim | 1 | 1555211 |
| Tamil Nadu | 4 | 501731584 |
| Telangana | 0 | 83359220 |
| Tripura | 0 | 591606 |
| Uttar Pradesh | 3 | 540600343 |
| Uttarakhand | 1 | 37738193 |
| West Bengal | 2 | 94022170 |

Pivot Chart:

Q5. Which is the best state for setting up a hotel? Why?

Answer:

1. According to the data, Arunachal Pradesh, and Jharkhand, are the best States to set up a hotel. They have good number of rainy days and two different climates in a year, so the tourists can enjoy different seasons here. Also, the existing number of hotels in these states are less, so the competition is low.
2. The number of hotels in Kerala, Maharashtra, Tamil Nadu, and Gujarat is very high, so a hotel here will be profitable as the hotel will get a share of the high number of tourists. It is similar to having a shop in a market rather than a standalone one. Also these states have different climates, so that is also an advantage.

Q6. What is the average number of days the rainy season lasts in Indian states?

**Answer:** Average number of days rainy season lasts in Indian States is 120 days.

Q. Study the map and draw out key indicating parameters in a list format. Also, think about other parameters that indirectly affect our goal.

Answer: Indicating Parameters in the map:

* Duration of Monsoon
* Climatic Conditions

Other parameters that affect our goal:

* Number of Places to visit in the state.
* Choice of types of places to visit of the tourists.
* Road conditions
* Transport Facilities
* Other Facilities available in the state
* Food options available
* Hotel tariff