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

Ans – Kerela

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)

Ans –

* Gujarat
* Haryana
* Himachal Pradesh
* Jharkhand
* Karnataka
* Kerala
* Madhya Pradesh
* Maharashtra

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

Ans –

Mizoram and Nagaland seems to have the least number of hotels according to the data.

Hence, we need to set up hotels in that region

**Assam seems to be the most promising area for hotel industry as per the cluster diagram.**

**Hence from business point of view, Assam should be considered for investing in hotel industry.**

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** | **Sum of No of Hotels** | **Sum of Climate** |
| Andhra Pradesh | 34000 | 2 |
| Arunachal Pradesh | 5000 | 2 |
| Assam | 25000 | 2 |
| Bihar | 4000 | 1 |
| Chhattisgarh | 25000 | 2 |
| Goa | 44000 | 1 |
| Gujarat | 107000 | 3 |
| Haryana | 48000 | 3 |
| Himachal Pradesh | 83000 | 3 |
| Jharkhand | 4000 | 2 |
| Karnataka | 40000 | 3 |
| Kerala | 672000 | 1 |
| Madhya Pradesh | 14000 | 3 |
| Maharashtra | 102000 | 3 |
| Manipur | 3000 | 1 |
| Meghalaya | 2000 | 1 |
| Mizoram | 1000 | 1 |
| Nagaland | 1000 | 1 |
| Odisha | 20000 | 2 |
| Punjab | 11000 | 2 |
| Rajasthan | 72000 | 2 |
| Sikkim | 12000 | 1 |
| Tamil Nadu | 116000 | 2 |
| Telangana | 34000 | 2 |
| Tripura | 1000 | 1 |
| Uttar Pradesh | 58000 | 2 |
| Uttarakhand | 50000 | 2 |
| West Bengal | 87000 | 2 |
| **Grand Total** | **1675000** | **53** |

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

Mizoram and Nagaland seems to have the least number of hotels according to the data.

Hence, we need to set up hotels in that region

**Kerela seems to be the most promising area for hotel industry as per the cluster diagram.**

**Hence from business point of view, Kerela should be considered for investing in hotel industry.**

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

Thus, the average number of days rainy season lasts in Indian states is 105.25.

|  |  |  |  |
| --- | --- | --- | --- |
| Regions | Onset Date | Retreat Date | Days |
| 1 | Jun-05 | Oct-15 | 130 |
| 2 | Jun-10 | Oct-01 | 111 |
| 3 | Jun-15 | Sep-15 | 90 |
| 4 | Jul-01 | Sep-01 | 90 |
|  |  | Average | 105.25 |