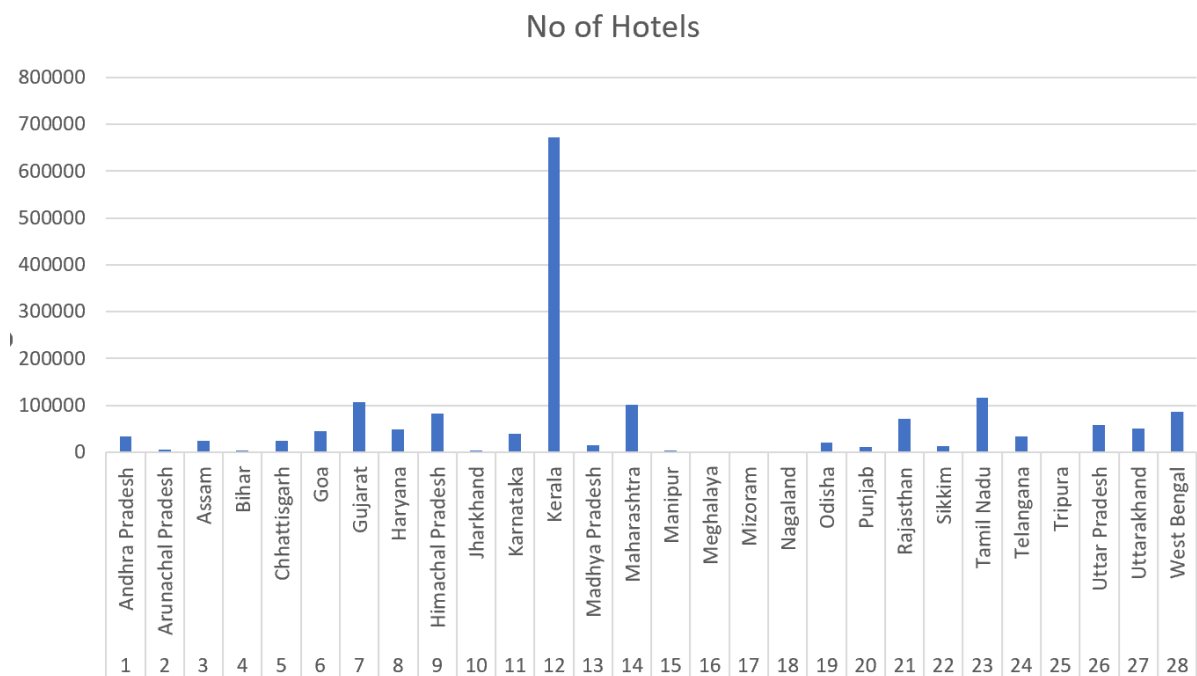


Analysis on Hotel Dataset(structured) and Weather condition in India(unstructured)

1. Kerala has the highest number of hotels.



From the above bar graph, we can observe that Kerala clearly has the highest number of states and leads so by an enormous amount.

Kerala has 672000 states and that is nearly 5 times more than the second places state which is Gujarat.

This is an interesting revelation and an interesting outlook since Kerala is a smaller state than more other states.

2. The states with three types of climatic regions are: -

- a. Karnataka
- b. West Bengal
- c. Kerala
- d. Maharashtra
- e. Odisha
- f. Tamil Nadu

	A	B	C	D	E	F
1	Serial No.	States	hotels	climate typ	number of types of weather	
2	1	Andhra Pra	34000	tropical dry	2	
3	2	Arunachal I	5000	wet,humid	1	
4	3	Assam	25000	wet,humid	1	
5	4	Bihar	4000	subtrical	2	
6	5	Chhattisgar	25000	subtrical	1	
7	6	Goa	44000	coastal	1	
8	7	Gujarat	107000	arid	2	
9	8	Haryana	48000	semi arid	1	
10	9	Himachal P	83000	mountain	1	
11	10	Jharkhand	4000	subtrical	2	
12	11	Karnataka	40000	tropical dry	3	
13	12	Kerala	672000	coastal,wet	2	
14	13	Madhya Pr	14000	subtropical	2	
15	14	Maharashtr	102000	tropical dry	3	
16	15	Manipur	3000	wet,humid	1	
17	16	Meghalaya	2000	wet,humid	1	
18	17	Mizoram	1000	wet,humid	1	
19	18	Nagaland	1000	wet,humid	1	
20	19	Odisha	20000	subtropical	3	
21	20	Punjab	11000	semi arid	1	
22	21	Rajasthan	72000	arid	2	
23	22	Sikkim	12000	mountain	2	
24	23	Tamil Nadu	116000	tropical dry	3	
25	24	Telangana	34000	tropical dry	2	
26	25	Tripura	1000	wet,humid	1	
27	26	Uttar Prade	58000	subtropical	3	
28	27	Uttarakhan	50000	mountain	2	
29	28	West Bengi	87000	costal	3	

g. Uttar pradesh

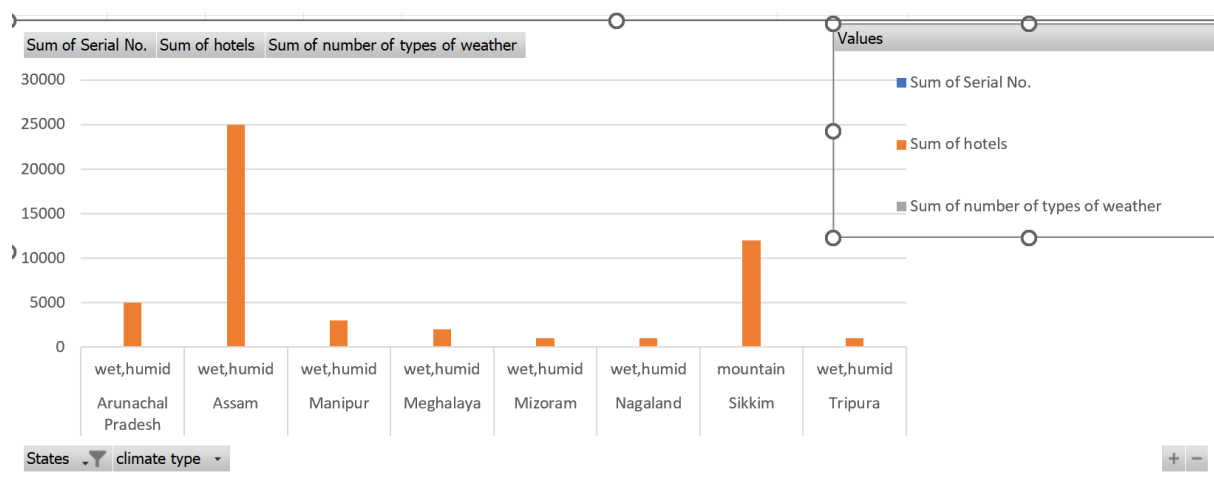
This is seen as shown by the table with the list of states and the number of different climatic zones present.

This provides a helpful insight in identifying strategic zones which offer better profit.

3. The northern states of India have a huge potential to pose as an ideal place for investors to put up a hotel as the northern states have a huge amount of untouched nature which is one of the currently trending themes of holidays and destinations and they have comparatively less population and offer a better getaway and peaceful holidays.

Finding the ideal place to set up a hotel would have to involve a lot of factors such as

- Cheap land prices
- Closeness to the airport or major train stations
- Cheap labour
- Proximity to a major city



From the above structured chart, we can see that Assam has the highest number of hotels, but it wouldn't be the smartest decision to set up a hotel in this state due to the high competition.

Also, Nagaland and Mizoram have a lack of big major cities and is a very remote area,

In my opinion Sikkim would be a great option as it as a major tourist hub and it has a year round supply of tourists and there are not a lot of hotels set up in the state which would be beneficial to the investors and there is a major city which is Gangtok which provides access to cheap labour, easy transport and an abundance of tourists.

4.

Row Labels	Sum of Serial No.	Sum of hotels	Sum of number of types of weather
Andhra Pradesh	1	34000	2
tropical dry	1	34000	2
Arunachal Pradesh	2	5000	1
wet,humid	2	5000	1
Assam	3	25000	1
wet,humid	3	25000	1
Bihar	4	4000	2
subtrical	4	4000	2
Chhattisgarh	5	25000	1
subtrical	5	25000	1
Goa	6	44000	1
coastal	6	44000	1
Gujarat	7	107000	2
arid	7	107000	2
Haryana	8	48000	1
semi arid	8	48000	1
Himachal Pradesh	9	83000	1
mountain	9	83000	1
Jharkhand	10	4000	2
subtrical	10	4000	2
Karnataka	11	40000	3
tropical dry	11	40000	3
Kerala	12	672000	2
coastal,wet,humid	12	672000	2
Madhya Pradesh	13	14000	2
subtropical	13	14000	2
Maharashtra	14	102000	3
tropical dry	14	102000	3
Manipur	15	3000	1
wet,humid	15	3000	1
Meghalaya	16	2000	1
wet,humid	16	2000	1
Mizoram	17	1000	1
wet,humid	17	1000	1
Nagaland	18	1000	1
wet,humid	18	1000	1
Odisha	19	20000	3
subtropical	19	20000	3
Punjab	20	11000	1
semi arid	20	11000	1
Rajasthan	21	72000	2
arid	21	72000	2
Sikkim	22	12000	2
mountain	22	12000	2
Tamil Nadu	23	116000	3
tropical dry	23	116000	3
Telangana	24	34000	2
tropical dry	24	34000	2
Tripura	25	1000	1
wet,humid	25	1000	1
Uttar Pradesh	26	58000	3
subtropical	26	58000	3
Uttarakhand	27	50000	2
mountain	27	50000	2
West Bengal	28	87000	3
costal	28	87000	3
Grand Total	406	1675000	50

5. The most important thing to remember while setting up a hotel is maximising profits.

To do this choosing a specific location is very important and there are several factors that goes into the planning process.

We need to factor in the cost of land, the hotspot and busy months and analyse how many possible guests we could have and how business would run during the dead months.

The number of tourists visiting the state per year and the hotel should have a wide range of amenities and should be built well and should have a lot of natural presence to attract customers.

Other favourable factors include low maintenance, skilled labour and easy access to materials required to upkeep the hotel (it shouldn't be a very remote place)

Factoring in these conditions and requirements Karnataka would be the best state to build a hotel in.

It has a relatively small dead zone and it has arguably the best weather in India with temperatures always hovering around pleasant.

The presence of a major city like Bangalore and the large people over there looking for a weekend. getaway is relatively higher and the amount of money they are willing to spend is also higher.

This would be a wise choice to set up a hotel in nearby tourist and hill stations such as Coorg, Dandelli and so on.

6. The average number of rainy days in India depends on the region its present in.

- The southern states have an average of 80-90 rainy days a year.

- The northern parts of India average round 70 days of rain.

- The western parts of India average 50-60 days of rain.

- The north eastern states average 110-120 days of rain per annum.

The overall national average stands at 78 days of rain per annum which is mostly spread out though the months of June July and august.