An American firm called Airbnb, Inc. runs an online marketplace for travel-related services and accommodations, especially homestays for holiday rentals. The platform, which has a San Francisco, California, base, may be accessed online and through a mobile app. None of the listed properties are owned by Airbnb; rather, it makes money by taking a cut of each booking.

The project is a person's home is made available to guests through the Airbnb service. Many tourists are looking for lodging that is a little more individualized and distinctive. Unlike a hotel or motel, Airbnb rentals have a more homey atmosphere. One or two day stays are acceptable as well as longer stays of up to two weeks.

Scenarios

The following Data is collected considering the factors like

|  |
| --- |
| * Host\_name |
| * Neighbourhood\_group |
| * Neighbourhood |
| * Room\_type |
| * Minimum Nights |

Data:

The majority of reservations were for houses or apartments rather than single rooms. All of their properties were located in the heart of New York City. putting commercial rentals before travel.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Number of Days | | | | |  |
| City | 1 | 2 | 3 | 4 | 5 | Average Cost |
| Bronx | 161.3 | 124.01 | 117.31 | 118.8 | 89.01 | 122.08 |
| Brooklyn | 181.3 | 181.15 | 193.3 | 205.18 | 198.95 | 191.9 |

Above mentioned is some insight of the data that is when customers are booking for a night it costs them more but when it comes to more than a night it is a good price to stay in a city like new York where stays are very expensive.

From the data we would like to calculate what are the factors that are considered in pricing and what are the highest number of reviews. From this it will be evident what are factors that impact cost of a room