

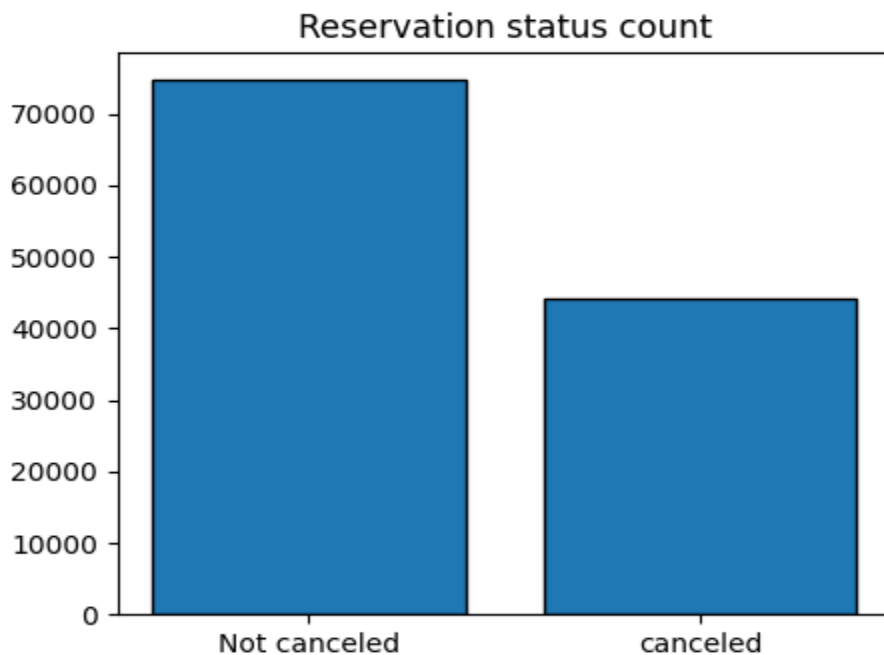
Research Question

1. What are the variables that affect hotel reservation cancellation?
2. How can we make hotel reservation cancellation better?
3. How will hotels be assisted in making pricing and promotional decisions?

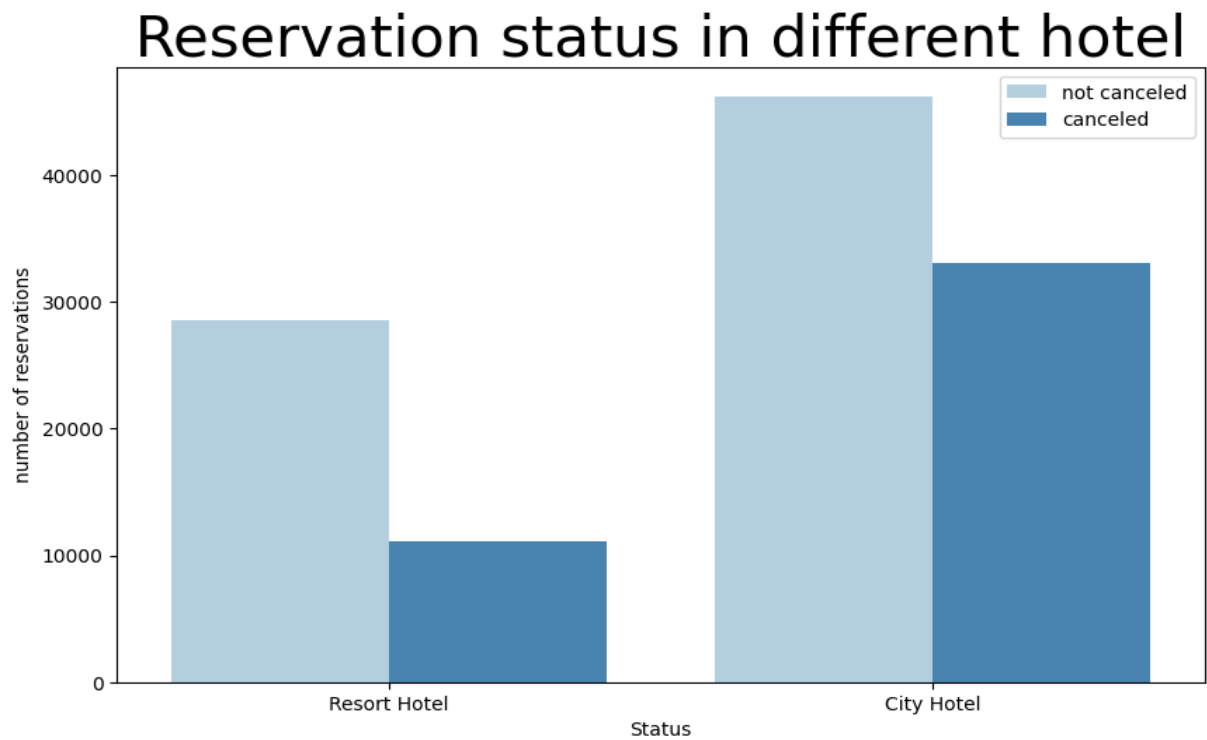
Hypothesis

1. More cancellation occur when prices are higher.
2. When there is a longer waiting list, customers tend to cancel more frequently.
3. The Majority of clients are coming from offline travel agents to make their reservations.

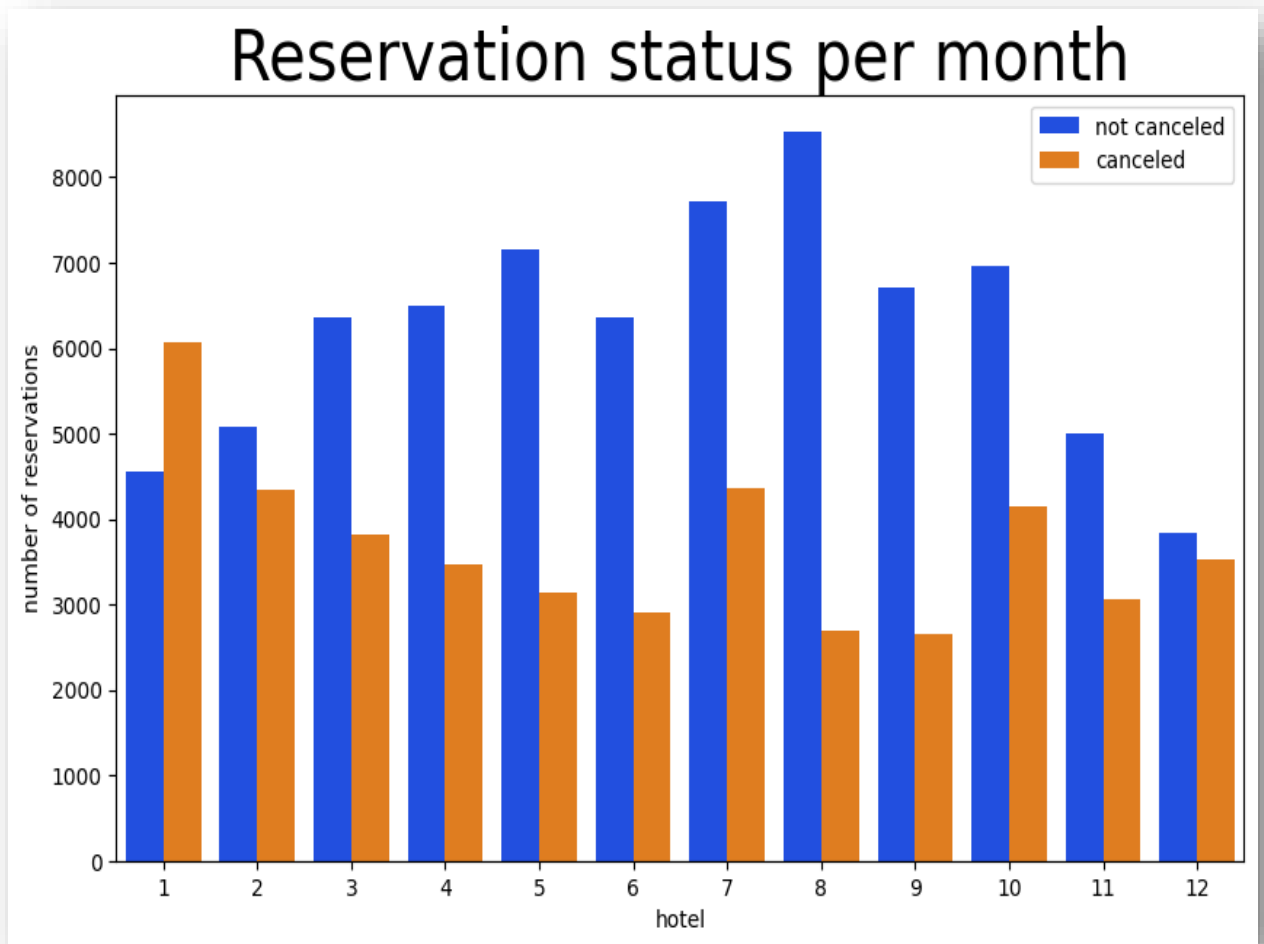
Analysis and Findings



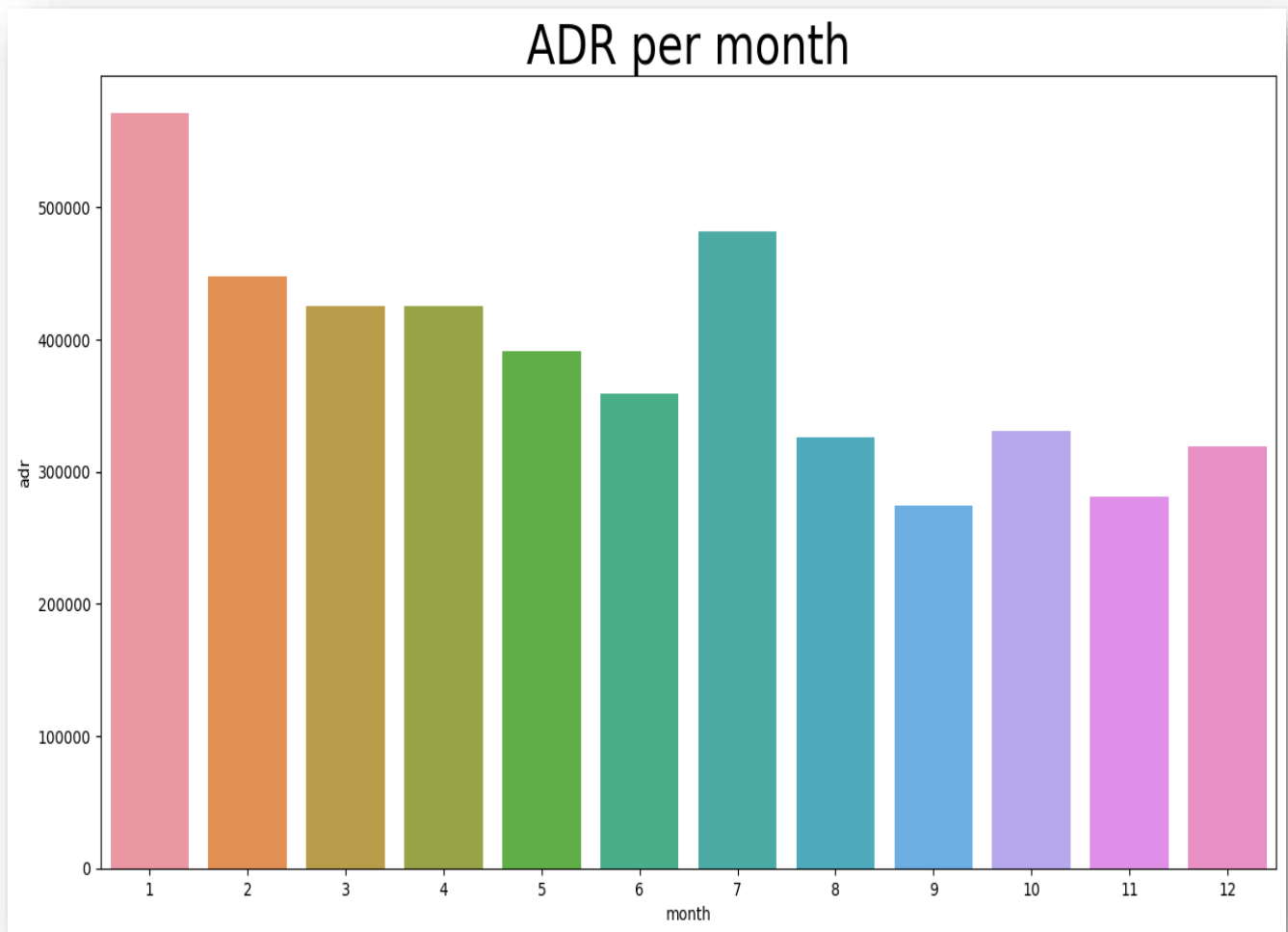
- The accompanying bar graph shows the percentage of reservations that are canceled and those that are not. It is obvious that there are still a significant number of reservations that have not been canceled. There are still a significant number of reservations that have not been canceled. There are still 37% of clients who canceled their reservations that have not been canceled. There are still 37% of clients who canceled their reservation, which has a significant impact on the hotel's earning.



In comparison to resort hotels, city hotels have more bookings. It's possible that resort hotels are more expensive than those in cities.



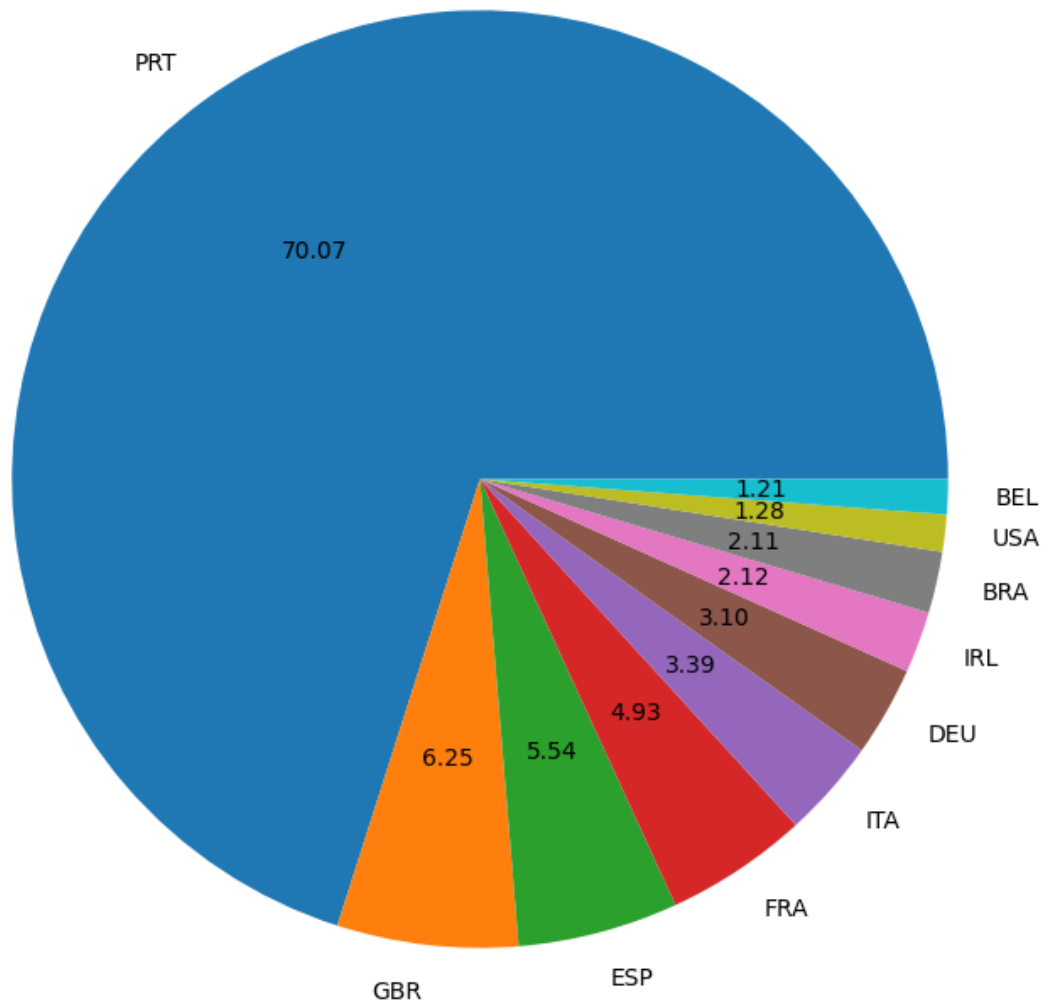
- We have developed the grouped bar graph to analyze the months with the highest and lowest **reservation levels** accounting to reservation status. As can be seen, both the number of confirmed reservation and the number of canceled reservation are largest in the month of **August**. Whereas January is the month with the most canceled reservation.



This bar graph demonstrates that cancellations are most common when prices are greatest and are least common when they are lowest. Therefore, the cost of the accommodation is solely responsible for the cancellation.

Now, let's see which country has the highest reservation canceled. The top country is Portugal with the highest number of cancellations.

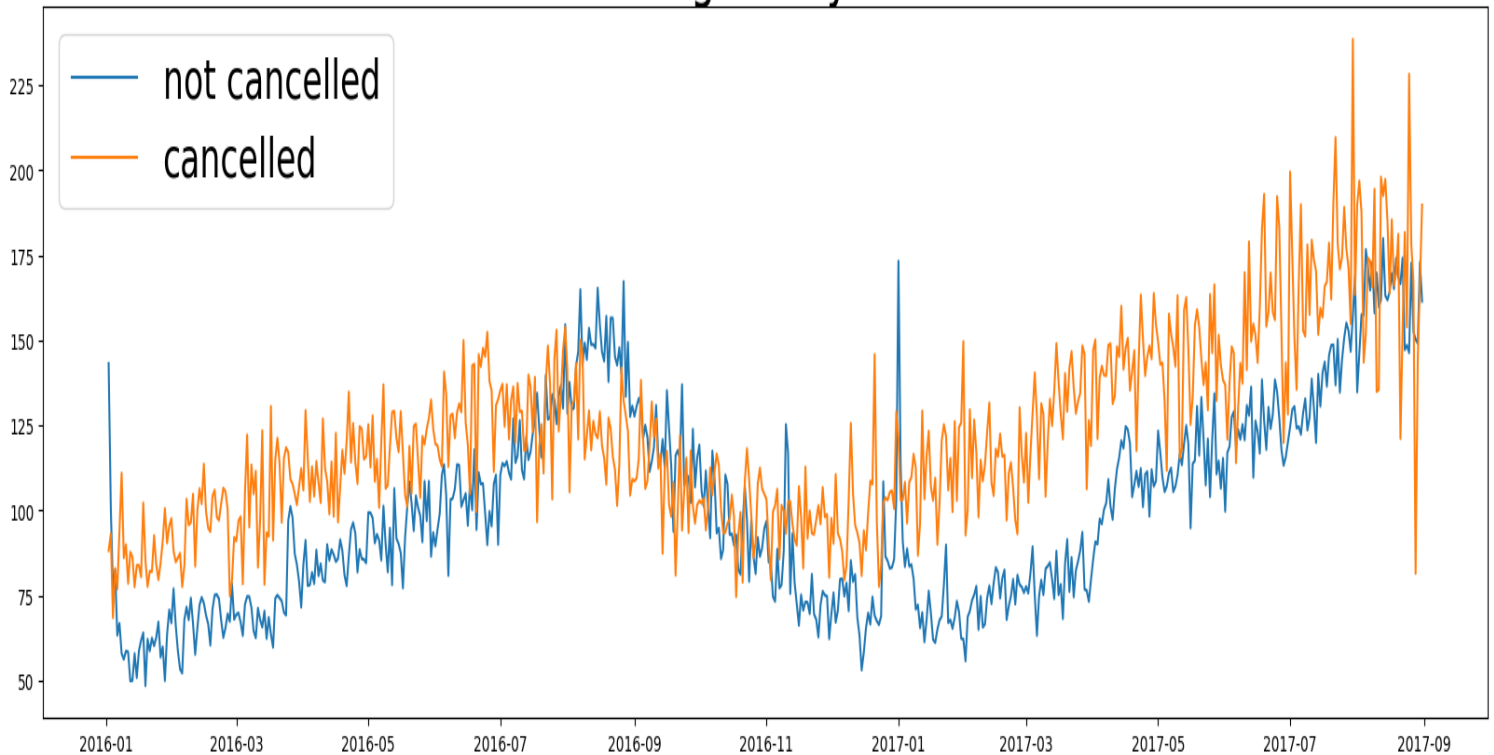
Top 10 countries with reservation canceled



Let's check the area from where guests are visiting the hotels and marking reservation is it coming from Direct or Offline Travel Agents? **Around 46%** of the clients come from **online travel agencies**, whereas 27% come from groups. Only 4% of

clients book hotels directly by visiting them and making reservations.

Average Daily Rate



As seen in the graph, reservations are canceled when the average daily rate is higher than when it is not canceled. It clearly proves all the above analysis, that the higher price leads to higher cancellation.

Suggestions

1. Cancellation rates rise as the price does. In order to prevent Cancellation of reservations, hotels could work on their pricing strategies and try to lower the, rates for specific hotels based on locations. They can also provide some discounts to the consumers.

2 As the ratio of the cancellation and not cancellation of the resort hotel is higher in the resort hotel than the city hotels. So, the hotels should provide a reasonable discount on the room prices on weekends or on holidays.

3 In the month of January, hotels can start campaigns or marketing with a reasonable amount to increase their revenue as the cancellation is the highest in this month.

4. They can also increase the quality of their hotels and their services mainly in Portugal to reduce the cancellation rate.