

So, what are the steps behind these project?

Create a problem statement

First of all we create a problem statement for solving any kind of issues in industry



Explore and clean the dataset

Maybe some kind of data are NULL values duplicates value so before starting any DA we need to clean this



Identify the data you want to analyze

Gather Business requirements and arrange all data .



Explore and clean the data

Now aside the clean data and starting our main work with pandas, and all...



Analyse the data to get useful insights

What are the questions I need to solve and what are the questions hypothetically going on my mind



Present the data

Present the data by using dashboards and report(Technical)



BUSINESS PROBLEAM

In recent years, City Hotel and Resort Hotel have seen high cancellation rates. Each hotel is now dealing with a number of issues as a result, including fewer revenues and less than ideal hotel room use. Consequently, lowering cancellation rates is both hotels' primary goal in order to increase their efficiency in generating revenue, and for us to offer thorough business advice to address this problem.

The analysis of hotel booking cancellations as well as other factors that have no bearing on their business and yearly revenue generation are the main topics of this report.

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ASSUMPTIONS

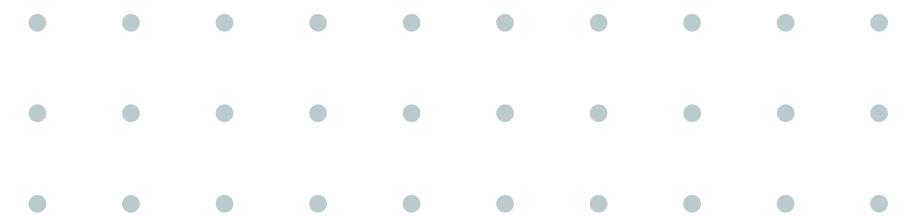
1. No unusual occurrences between 2019 and 2025 will have a substantial impact on the data used.
2. The information is still current and can be used to analyze a hotel's possible plans in an efficient manner.
3. There are no unanticipated negatives to the hotel employing any advised technique.
4. The hotels are not currently using any of the suggested solutions.
5. Clients make hotel reservations the same year and they make cancellations

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RESEARCH QUESTIONS

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



HYPOTHESIS

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

