Sarah Alfrihidi

Proposal

Hotels are one of the most essential factors in the country's tourism development. There is a lot of demand for travel and tourism in this country if they are available, easy to book, and inexpensive. However, there is a problem: most travelers book online and then have their reservations canceled. This results in revenue loss for the company due to unverified booking cancellations. The business is curious as to which consumer is most likely to cancel the reservation.

Data analysis must assist the company in predicting whether or not the consumer would cancel the reservation. and the dataset contains all of the booking details for clients from various countries, such as arrival date year, stays in weeknights, arrival date day of the month, and so on.

I need to do some data analysis in order to answer some queries, as well as work on Machine Learning models to forecast whether or not the consumer will cancel the reservation. I'm going to concentrate on exploratory data analysis in order to solve business questions.

Data Description

- Hotel booking datasets.
- The datasets from Kaggle.
- contains 119390 rows , 32 columns.

Tools

- Python
- Python visualization libraries (matplotlib,nmpy).
- Data analysis in pandas for discovering the data and training a model.

The MVP Goals

- Explore and Analyze the data.
- Make hotel reservations cheaper and more flexible.
- Detection cancellation of reservations by potential customers is a way for hotels and tourism businesses to increase revenue.