

Hotel Booking — Exploratory Data Analysis (EDA)

Using Python

Overview of Tasks:

1. Understand Dataset and its context.

2. Import packages & read data.

3. Data Preparation

- Handle missing values base on the context.
- Convert columns values to make sense.
- Changing datatypes for further analysis
- Handle duplicates base on assumption
- Create new columns by combining other columns.
- Drop unnecessary columns.

4. Descriptive Statistics & Correlations

5. Exploratory Data Analysis

- Visualization

Exploratory Data Analysis

Try to answer following questions by creating visualization in Power-BI.

- **Booking:**

1. What is the big picture of room booking over year and month?
2. What are the most effective booking channels?
3. Are the guesses interested in booking meals along with their room reservation?

- **Hotel:**

4. What are the most popular hotels and how many bookings they have over the year?
5. Compare those hotels on type of customers?
6. Compare those hotels on customers' group?