

## ◆ Dashboard Idea for Booking Data

### 1. Filters & Selections (Left + Right Panels)

#### Categorical Dropdowns (Left Panel):

- Columns you can categorize/group by:
  - type of meal
  - room type
  - market segment type
  - booking status (Canceled / Not\_Canceled)  
→ Then dynamically populate categories (e.g., Meal Plan 1, Meal Plan 2).

#### Filters (Right Panel):

- Date Range Selector (based on date of reservation (only year))
  - Booking Status Checklist (Canceled, Not\_Canceled)
  - Repeated Guests Selector (0 = New Guest, 1 = Repeated)
- 

### 2. Visualizations (Main Area)

#### Top Row:

- Bar Chart → *Booking counts grouped by selected category* (e.g., number of bookings by meal type, room type, or market segment).
- Pie Chart → *Proportion of Canceled vs. Not Canceled bookings.*

#### Middle Row:

- Box Plot → *Distribution of average price across categories* (e.g., room type, meal type).
- Scatter Plot → *Lead time vs. average price*, colored by booking status.

#### Bottom Row:

- Bar Chart → *The number of cancelled and Not\_Canceled for the chosen year.*