**  
 DataLab Nigeria Data Science Virtual Class**

**MACHINE LEARNING**

**Python Programming**

**HOTEL BOOKING CANCELLATION PREDICTION**

**The Data**

The dataset contain hotel bookings between 1st July 2015 and 31st August 2017, including bookings that were utilized and bookings that were cancelled. Since this is a real data, all data pertaining to the hotel customers’ identities have been deleted.

**TASK**

Your Task is to help the Hotel minimize loss/uncertainty arising from booking cancellation. Build and predict if a customer will likely cancel a booking using more than one machine learning algorithm or you can use ensemble algorithms.

You are to perform real time prediction to also demonstrate your trained algorithm.

**PRELIMINARY STEPS**

- Data Preparation

- Feature Selection

- Descriptive Analysis and correlation

- Data Visualizations and Interpretations

**CHECK THE DATA DOCUMENTATION BELOW FOR GUIDE**









