

## Data

The following types of data are most crucial to make the solution work:

### Guest Data:

1. Historical Booking Data: Past booking record patterns and preferences.
2. Real-Time Booking Data: Live information with regards to room occupancy and bookings.
3. Guest Profile Data: Individual guest preference, loyalty program status, communication history.

### Hotel Operations Data:

1. Room Occupancy Data: Real-time updates on room availability and occupied status.
2. Amenities Usage Data: Information on the consumption of hotel facilities by guests, such as the gymnasium, spa, and restaurant.
3. Staff Schedule Data: Data relating to staff availability and their scheduling.