**Domain:**  Hospitality       **Function:** Revenue  
  
AtliQ Grands owns multiple five-star hotels across India. They have been in the hospitality industry for the past 20 years. Due to strategic moves from other competitors and ineffective decision-making in management, AtliQ Grands are losing its market share and revenue in the luxury/business hotels category. As a strategic move, the managing director of AtliQ Grands wanted to incorporate “Business and Data Intelligence” to regain their market share and revenue. However, they do not have an in-house data analytics team to provide them with these insights.  
  
Their revenue management team had decided to hire a 3rd party service provider to provide them with insights from their historical data.

**Task:**    
  
You are a data analyst who has been provided with sample data and a mock-up dashboard to work on the following task. You can download all relevant documents from the download section.

1. Create the metrics according to the metric list.
2. Create a dashboard according to the mock-up provided by stakeholders.
3. Create relevant insights that are not provided in the metric list/mock-up dashboard.

**Steps & Procedure**

1. Import 5 csv files into PowerBi and transform data
2. Duplicate the base csv and rename for each csv file
3. To edit and make 1st row header if its not during data transformation

Dim\_date

* Delete day\_type since its not useful (To replace with day of week)
* Close and apply

Data Modelling (dim >> fact tables)

* Establish relationship between tables
* dim\_date.date >> fact\_bookings.check\_in\_date
* dim\_date.date >> fact\_aggregated\_bookings.check\_in\_date
* dim\_room.room\_id >> fact\_bookings.room\_category
* dim\_room.room\_id >> fact\_aggregated\_bookings.room\_category

Data Analysis Expression (DAX) – Create new column / new measure

Dim\_date

* week no – To create new column with week no without W
* right click >> new column
* enter wn = weeknum(dim\_date[date])
* right click >> new column
* enter day\_type
* = VAR wkd
* = weekday(dim\_date[date])
* return if(OR(wkd = 1,wkd = 7),”weekend”,”weekday”)

Create New measure

* Go to dashboard >> click enter data >> rename table >> key\_measures table
* Right click key\_measures >> new measure