*Activity Model*

* *We Chose this Star Schema Model Because It’s extremely simple to understand and build It’s also Not need for complex joins when querying data so of course Accessing data is faster and it’s Simpler to derive business insights.*
* *We Used this Model to analyze the most flight number that the frequent flyer takes and the types of fare basis they use, and it help us too with know if they upgrade or no and how many points they have and how they redeem, it’s also represent the promotions and overnights they had.*

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***What this Data represent :-***

-*Dim\_passenger, Dim\_flyer\_miles, Dim\_overnight, Dim\_class Dim\_flight and Dim\_reservation.*

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# **Dim\_passenger :**

-This table contains passenger basic data as name, city, gender, etc., It helps us to know our passengers and look how we can improve our service with attracting more passengers.

# **Dim\_flyer\_miles :**

-This table include the points that the frequent flyer earns and the types of using this points to improving the process.

# **Dim\_overnight :**

-This table represent the number of room which the frequent flyer uses, this help us to know how far they use our overnight service and how we can make it better.

# **Dim\_Class :**

-This table include the classes that the frequent flyer use and if he upgrade or downgrade.

# **Dim\_flight :**

-This table helps us know the information about the flight, such as the plane number and the arrival time of departure.

# **Dim\_reservation :**

- This table contains all the reservation details for our passengers and help us know what flights and cost they usually pick and make Promotions on it.