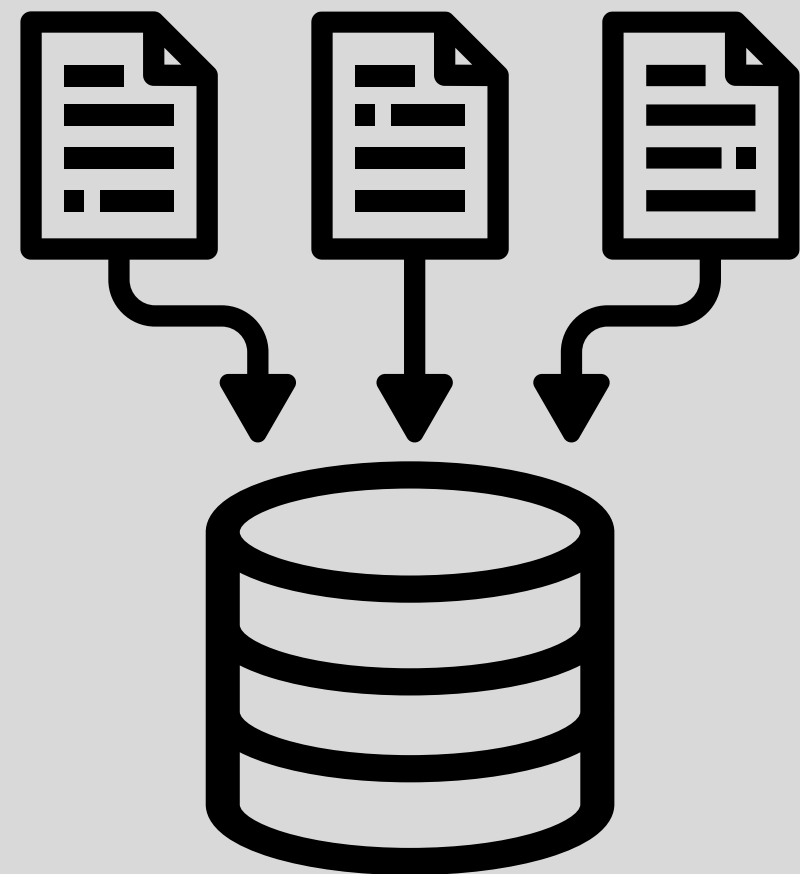
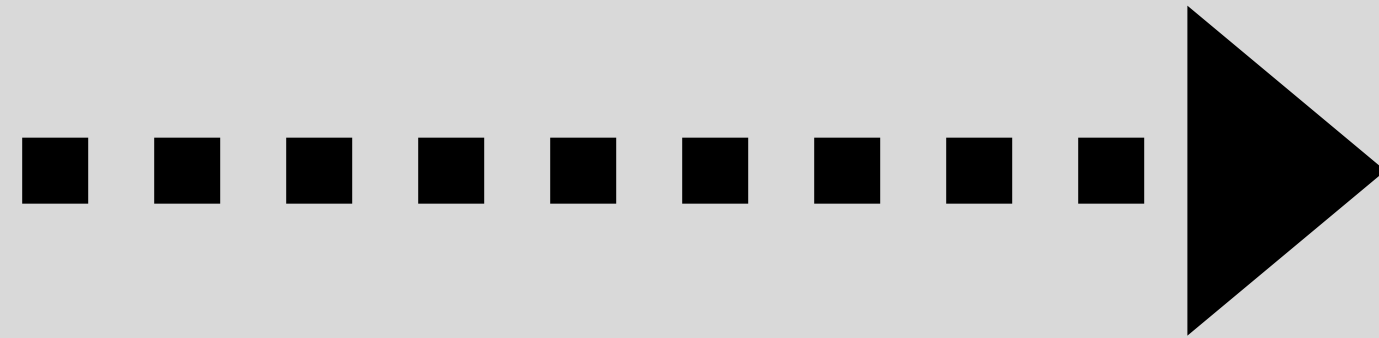


# Hotel Reservation Analysis

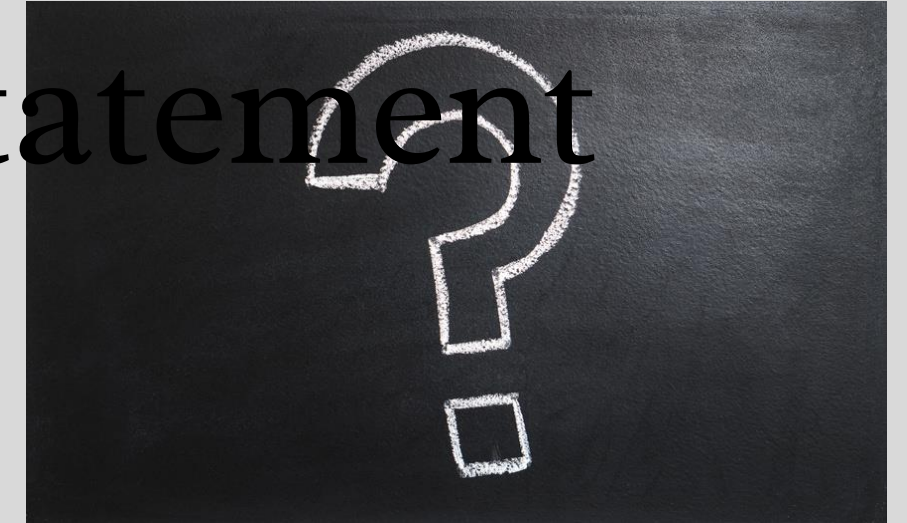


Presented by  
Chandru.D

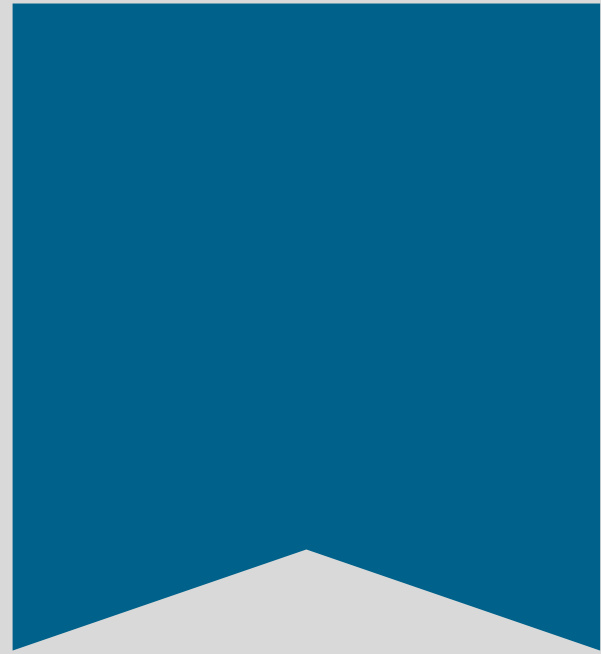




Problem  
statement



- 1.Describing dataset?
- 2.Total no of reservation?
- 3.Most popular meal among guest?
- 4.Average Price per room for reservations with childrens
5. How many resrvations with desired year?
- 6.Most commonly booked type?
- 7.Reservations Fall on weekend Days?
- 8.high and low Lead time for reservations?



**9. Most common market segment type for reservations?**

**10. Reservations with confirmed booking status?**

**11. total number of childrens and adults?**

**12. Average for weekend nights with childrens?**

**13. Average number of nights for both weekend and weekday spent by guest in each room?**

**14. Most common room type and average price of that?**

**15. Market segment type generates highest avergae price room?**



### **#1.Describing the dataset**

```
SELECT * FROM reservationanalysis.`hotel reservation dataset`;
```

### **#2.for counting the records**

```
select count(*) from reservationanalysis.`hotel reservation dataset`;
```

**#3.Analyzing the meal plan among guests**

```
select      type_of_meal_plan,count(type_of_meal_plan)      as      popular_meal_Guests      from  
reservationanalysis.`hotel reservation dataset`group by type_of_meal_plan;
```

**#4.For reservations involving the children**

```
select  avg(avg_price_per_room) as  Averagepriceper_room  from  reservationanalysis.`hotel reservation  
dataset`;
```

**#5.calculating reservations with my desired year as 20XX (i.e) 2012=0**

```
select count(*) from reservationanalysis.`hotel reservation dataset` where year(arrival_date)=2012;
```

**#6.most commonly booked type**

```
select  distinct  room_type_reserved,count(*)  as  no_of_reservation  from  reservationanalysis.`hotel  
reservation dataset` group by room_type_reserved;
```

**#7.how many reservations fall on weekend (no\_of\_weekend\_nights>0)?**

```
select  count(*)  as  fall_in_weekend  from  reservationanalysis.`hotel  reservation  dataset`  where  
no_of_weekend_nights>0;
```

**#8.highest and lowest lead time for reservations**

**select max(lead\_time) as highest\_lead\_time,min(lead\_time) as lowest\_lead\_time from reservationanalysis.`hotel reservation dataset`;**

**#9.Most common market segment type for reservation**

**select market\_segment\_type,count(\*) as number\_of\_reservations from reservationanalysis.`hotel reservation dataset`**

**group by market\_segment\_type order by number\_of\_reservations desc;**

**#10.reservations having a booking status as confirmed**

**select count(\*) as Numberofreservations from reservationanalysis.`hotel reservation dataset` where booking\_status='Not\_canceled';**

**#11.total number of children and adults**

**select sum(no\_of\_adults) as Total\_no\_of\_adults,sum(no\_of\_children) as Total\_no\_of\_children from reservationanalysis.`hotel reservation dataset`;**

**#12.average number of weekend night for reservations involving children**

**select avg(no\_of\_weekend\_nights) as Average\_weekend\_nights from reservationanalysis.`hotel reservation dataset` where no\_of\_children>0;**

**#13.average no of nights weekend and weekday**

**select room\_type\_reserved,avg(no\_of\_week\_nights+no\_of\_weekend\_nights) as Averagetotalnightperroom from reservationanalysis.`hotel reservation dataset` where room\_type\_reserved is not null group by room\_type\_reserved;**

**#14.most common room type and average of that**

**select room\_type\_reserved,avg(avg\_price\_per\_room) as averageprice from reservationanalysis.`hotel reservation dataset` where no\_of\_children>0 group by room\_type\_reserved  
order by room\_type\_reserved;**

**#15.Market segment type with highest avergae price**

**select market\_segment\_type,avg(avg\_price\_per\_room) as Averageprice from reservationanalysis.`hotel reservation dataset` group by market\_segment\_type order by Averageprice desc;**

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