**Project**

**Swiggy Case Study**

Q1.a) Which category shows high demand during Diwali festival?

b) Which category shows high profit during Diwali festival?

c) Top 10 Shop names where demand is high during Diwali.

Q2.a) Which item has the maximum orders?

b) Which item has the minimum orders?

Q3) Number of busiest day(hr\_0f\_the\_day = 23) for each shop?

Q4) Which city having more food delivering shop services by swiggy?

Q5) What is the sale of samosa on date 10-10-19 and in city 07?

Q6) Which item is most expensive?

Q7) Different Types of Burger.

**Solutions**

**Q1.a) Which category shows high demand during Diwali festival?**

**Answer:-**

-- before festival

select CATEGORY,count(\*)

from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre

group by category

order by count(\*) desc;

-- after festival

select CATEGORY,count(\*)

from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post

group by category

order by count(\*) desc;

-- Data

select pre.category , pre.cnt pre\_diwali\_qty\_sales , post.cnt post\_diwali\_qty\_sales ,pre.cnt+post.cnt Total\_Diwali\_qty\_sales

from (select CATEGORY,count(\*) as cnt from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre group by category) as pre ,

(select CATEGORY,count(\*) as cnt from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post group by category) as post

where pre.CATEGORY=post.CATEGORY

order by Total\_Diwali\_qty\_sales desc;

**Screenshot:-**



**Q1.b) Which category shows high profit during Diwali festival?**

-- before festival

select CATEGORY,count(\*),sum(ITEM\_GMV) as Total\_Category\_Sales

from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre

group by category

order by Total\_Category\_Sales desc;

-- after festival

select CATEGORY,count(\*),sum(ITEM\_GMV) as Total\_Category\_Sales

from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post

group by category

order by Total\_Category\_Sales desc;

-- Data

select pre.category ,pre.Total\_Category\_Sales+post.Total\_Category\_Sales as Total\_Sales\_Before\_After\_Diwali

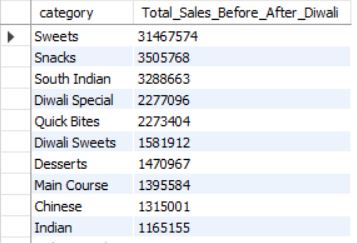
from (select CATEGORY,sum(ITEM\_GMV) as Total\_Category\_Sales from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre group by category) as pre ,

(select CATEGORY,sum(ITEM\_GMV) as Total\_Category\_Sales from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post group by category) as post

where pre.CATEGORY=post.CATEGORY

order by Total\_Sales\_Before\_After\_Diwali desc;

**Screenshot:-**



**Q1.c) Top 10 Shop names where demand is high during Diwali.**

-- Before Diwali

select NAME,count(\*) as orders

from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre

group by name

order by count(\*) desc;

-- After Diwali

select NAME,count(\*) as orders

from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post

group by name

order by count(\*) desc;

-- Data

select pre.name ,pre.orders Before\_Diwali\_Orders,post.orders After\_Diwali\_Orders,(pre.orders+post.orders) Total\_orders

from (select NAME,count(\*) as orders from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre group by name) as pre ,

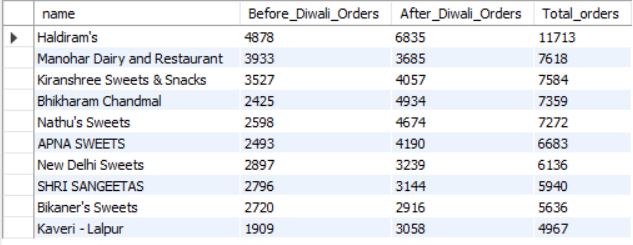
(select NAME,count(\*) as orders from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post group by name) as post

where pre.name=post.name

order by Total\_orders desc

limit 10;-

**Screenshot:-**



**Q2.a) Which item has the maximum orders?**

-- Data

select pre.ITEM\_NAME ,pre.cnt+post.cnt qty\_sales

from (select ITEM\_NAME,count(\*) as cnt from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre group by ITEM\_NAME) as pre ,

(select ITEM\_NAME,count(\*) as cnt from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post group by ITEM\_NAME) as post

where pre.ITEM\_NAME=post.ITEM\_NAME

order by qty\_sales desc

limit 1;

**Screenshot:-**



**Q2.b) Which item has the minimum orders?**

-- Data

select pre.ITEM\_NAME ,pre.cnt+post.cnt qty\_sales

from (select ITEM\_NAME,count(\*) as cnt from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre group by ITEM\_NAME) as pre ,

(select ITEM\_NAME,count(\*) as cnt from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post group by ITEM\_NAME) as post

where pre.ITEM\_NAME=post.ITEM\_NAME

order by qty\_sales asc

limit 1;

**Screenshot:-**



**Q3) Number of busiest day(hr\_0f\_the\_day = 23) for each shop?**

select name,count(distinct dt) N0\_Of\_days

from (

select dt,name,hr\_of\_the\_day

from (select dt,name,hr\_of\_the\_day,rank() over (order by hr\_of\_the\_day desc) as ranks from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre) as pre

where ranks=1

union all

select dt,name,hr\_of\_the\_day

from (select dt,name,hr\_of\_the\_day,rank() over (order by hr\_of\_the\_day desc) as ranks from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post) as post

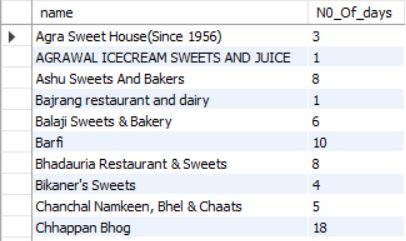
where ranks=1

) A

group by name

order by name;

**Screenshots:-**



**Q4) Which city having more food delivering shop services by swiggy?**

select city,count(\*) as No\_Of\_Shops

from (select city,name,count(city) from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre group by city,name

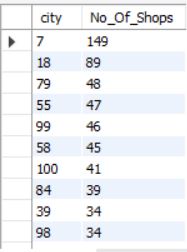
union all

select city,name,count(city) from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post group by city,name) as pre

group by city

order by No\_Of\_Shops desc;

**Screenshots:-**



**Q5) What is the sale of samosa on date 10-10-19 and in city 07?**

select sum(ITEM\_GMV) as Sales\_Of\_Samosa

from (select \* from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre

union all

select \* from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post) as swiggy\_table

where dt="10-10-19" and city=07 and ITEM\_NAME like "%samosa%";

**Screenshot-**



**Q6) Which item is most expensive?**

select pre.ITEM\_NAME,round((pre.Avg\_Price\_Of\_Item+post.Avg\_Price\_Of\_Item)/2,2) as Avg\_Price\_Of\_Item

from (select ITEM\_NAME,count(\*) as No\_Of\_ItemName\_In\_Group,sum(ITEM\_GMV) as Group\_Item\_GMV,sum(qty) as Group\_QTY,sum(ITEM\_GMV)/sum(qty) Avg\_Price\_Of\_Item from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre group by ITEM\_NAME) as pre ,

(select ITEM\_NAME,count(\*) as No\_Of\_ItemName\_In\_Group,sum(ITEM\_GMV) as Group\_Item\_GMV,sum(qty) as Group\_QTY,sum(ITEM\_GMV)/sum(qty) Avg\_Price\_Of\_Item from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post group by ITEM\_NAME) as post

where pre.ITEM\_NAME=post.ITEM\_NAME

order by ((pre.Avg\_Price\_Of\_Item+post.Avg\_Price\_Of\_Item)/2) desc

limit 1;

**Screenshot:-**



**Q7) Different Types of Burger.**

select distinct ITEM\_NAME

from ( (select item\_name from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_pre)

union all

(select item\_name from swiggy\_case\_dataset\_pre\_post\_diwali\_sales\_post )

) A

where ITEM\_NAME like "%burger%";

**Screenshot:-**

