**Zepto Analysis:**

1. Download the dataset from Kaggle: Downloaded in spreadsheet format and saved .
2. Open pgadmin in the system
3. In query tool write the query to create the table zeptoo

create table zeptoo(

Sku\_id serial primary key,

Category varchar(120),name varchar(150) not null,mrp numeric(8,2),

discountpercent numeric(5,2),availableQuantity integer,discountSellingPrice numeric(8,2),

weightInGms integer,outOfStock boolean,quantity integer

);

1. import the csv file into the zeptoo table.

* Right click Zeptoo table created and click import/export and follow the procedure

1. View the table by – select \* from zeptoo;

**Data exploration:**

1. Count the rows

Select count(\*) from zeptoo; (3732 rows)

1. View the first ten values in the data set

select \* from zeptoo

LIMIT 10;

1. Identify null values

select \* from zeptoo

where name is null or

category is null or

mrp is null or

discountpercent is null or

availablequantity is null or

discountsellingprice is null or

weightingms is null or

outofstock is null or

quantity is null

1. Different product categories (sorted)

select distinct category from zeptoo

order by category;

1. Check for out of stock

select outofstock,count(sku\_id)

from zeptoo

group by outofstock;

1. Product names present more than 1

select name, count(sku\_id)as total

from zeptoo

group by name

having count(sku\_id)>1

order by count(sku\_id) desc;

\*\*\***DATA CLEANING\*\*\***

1. products with price =0

select \* from zeptoo

where mrp=0 or discountedSellingPrice = 0;

1. Delete the row which has null values

delete from zeptoo

where mrp=0;

1. Convert paise to rupees

update zeptoo

set mrp=mrp/100.0, discountSellingPrice=discountSellingPrice/100

**\*\*\* BUSINESS QUESTIONS \*\*\***

1. **Find the top 10 best value products based on the discount percent.**

--top 10 best values

select distinct name,mrp,discountpercent from zeptoo

order by discountpercent desc limit 10 ;

1. **What are the products with high MRP but out of stock.**

--the products with high MRP but out of stock

select name,outofstock,mrp from zeptoo

where outofstock='true'

order by mrp desc

limit 20;

1. **Calculate estimate revenue for each category.**

SELECT category,

SUM(discountsellingprice \* availablequantity)AS revenue

FROM zeptoo

GROUP BY category

ORDER BY revenue**;**

1. **Find all products where mrp is greater than Rs.500 and discount is less than 10%**

SELECT NAME, mrp, discountpercent FROM zeptoo

WHERE mrp>500 AND discountpercent < 10

order by mrp desc, discountpercent desc;

1. **Identify the top 5 categories offering the highest average discount percentage.**

SELECT category,

ROUND(AVG(discountpercent),2) AS Avg\_discount

FROM zeptoo

GROUP BY category

ORDER BY Avg\_discount DESC

LIMIT 5;

1. **Find the price per gram for products above 100g and sort by best value.**

**SELECT DISTINCT name,weightingms,discountsellingprice,**

ROUND(discountsellingprice/weightingms,2) AS price\_per\_gms

FROM zeptoo

WHERE weightingms>=100

order by price\_per\_gms;

1. **Group the products into categories like low,medium,bulk.**

SELECT DISTINCT name,weightingms,

CASE WHEN weightingms < 1000 THEN 'LOW'

WHEN weightingms < 5000 THEN 'MEDIUM'

ELSE 'Bulk'

END AS weight\_category

FROM zeptoo;

1. **What is the inventory weight per category**

SELECT category,

SUM(weightingms \* availablequantity)As total\_weight

FROM zeptoo

GROUP BY category

ORDER BY total\_weight;