



Zepto Retail Inventory & Pricing Analysis

SQL QUERIES

🔍 Data Exploration Questions

Q1. How many records are present in the Zepto dataset?

```
SELECT COUNT(*) FROM zepto;
```

	COUNT(*)
▶	3732

Q2. Display a sample of 10 rows from the dataset to understand its structure.

```
SELECT * FROM zepto
```

```
LIMIT 10;
```

	sku_id	category	product_name	mrp	discountPercent	availableQuantity	discountedSellingPrice	weightInGms	outOfStock	quantity
▶	1	Fruits & Vegetables	Onion	2500.00	16.00	3	2100.00	1000	0	1
	2	Fruits & Vegetables	Tomato Hybrid	4200.00	16.00	3	3500.00	1000	0	1
	3	Fruits & Vegetables	Tender Coconut	5100.00	15.00	3	4300.00	58	0	1
	4	Fruits & Vegetables	Coriander Leaves	2000.00	15.00	3	1700.00	100	0	100
	5	Fruits & Vegetables	Ladies Finger	1400.00	14.00	3	1200.00	250	0	250
	6	Fruits & Vegetables	Potato	3500.00	17.00	3	2900.00	1000	0	1
	7	Fruits & Vegetables	Lemon	7500.00	16.00	3	6300.00	200	0	200
	8	Fruits & Vegetables	Watermelon	5800.00	15.00	3	4900.00	58	0	1
	9	Fruits & Vegetables	Capsicum Green	2300.00	17.00	3	1900.00	250	0	250
	10	Fruits & Vegetables	Chilli Green	1900.00	15.00	3	1600.00	100	0	100

Q3. Identify records containing NULL values in important columns.

```
SELECT * FROM zepto
```

```
WHERE product_name IS NULL
```

```
OR category IS NULL
```

```
OR mrp IS NULL
```

```
OR discountPercent IS NULL
```

```
OR discountedSellingPrice IS NULL
```

```
OR weightInGms IS NULL
```

```
OR availableQuantity IS NULL
```

```
OR outOfStock IS NULL
```

```
OR quantity IS NULL;
```

	sku_id	category	product_name	mrp	discountPercent	availableQuantity	discountedSellingPrice	weightInGms	outOfStock	quantity
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Q4. What are the different product categories available in the dataset?

```
SELECT DISTINCT category
```

```
FROM zepto
```

```
ORDER BY category;
```

category
Beverages
Biscuits
Chocolates & Candies
Cooking Essentials
Dairy, Bread & Batter
Fruits & Vegetables
Health & Hygiene
Home & Cleaning
Ice Cream & Desserts
Meats, Fish & Eggs
Munchies
Paan Corner
Packaged Food
Personal Care

Q5. How many products are in stock versus out of stock?

```
SELECT outOfStock, COUNT(sku_id)
```

```
FROM zepto
```

```
GROUP BY outOfStock;
```

outOfStock	COUNT(sku_id)
0	3279
1	453

Q6. Which product names appear multiple times with different SKUs?

```
SELECT product_name, COUNT(sku_id) AS "Number of SKUs"
```

```
FROM zepto
```

```
GROUP BY product_name
```

```
HAVING COUNT(sku_id) > 1
```

```
ORDER BY COUNT(sku_id) DESC;
```

product_name	Number of SKUs
Arden Eggs White	10
Saffola Veggie Twist Masala Oats	10
Quaker Oats	10
Sunfeast Yippee! Pasta Treat - Sour Cream Onion	10
Sunfeast YIPPee! Magic Masala Noodles	10
Mother's Recipe Tamarind Paste	10
Amul Delicious Fat Spread - Cholesterol Free	10
Kellogg's Real Almond & Honey Corn Flakes	9
Amul Fresh Cream	8
iD Idli & Dosa Batter	7
Everest Garam Masala	6
Everest Chicken Masala	6
Everest Kitchen King Masala	6
Godrej Yummiez Chicken Nuggets	6
Zorabian Chicken Smoked Ham	6
Godrej Yummiez Chilli Chicken Sausages	6
Everest Tandoori Chicken Masala	6
Godrej Yummiez Chicken Punjabi Tikka	6
Maggi Magic Cubes Extra Chicken	6
Yummiez Chicken Garlic Fingers Pouch	6
Zorabian Chicken Kheema Parathas	6
Godrej Yummiez Chicken Breakfast Salami	6
Prasuma Vegetable Momos	6

✍ Data Cleaning Questions

Q7. Convert price values from paise to rupees for correct financial analysis.

UPDATE zepto

SET mrp = mrp / 100.0,

discountedSellingPrice = discountedSellingPrice / 100.0;

Q8. Verify the updated price values after conversion.

SELECT mrp, discountedSellingPrice FROM zepto;

Result Grid | Filter Rows:

	mrp	discountedSellingPrice
▶	25.00	21.00
	42.00	35.00
	51.00	43.00
▶	20.00	17.00
	14.00	12.00
	35.00	29.00
	75.00	63.00
	58.00	49.00
	23.00	19.00
	19.00	16.00
	29.00	24.00
	11.00	9.00
	26.00	22.00
	14.00	12.00

Data Analysis Questions

Q9. Find the top 10 best-value products based on the highest discount percentage.

```
SELECT DISTINCT product_name, mrp, discountPercent  
FROM zepto  
ORDER BY discountPercent DESC  
LIMIT 10;
```

	product_name	mrp	discountPercent
▶	Dukes Waffy Chocolate Wafers	45.00	51.00
	Dukes Waffy Orange Wafers	45.00	51.00
	Dukes Waffy Strawberry Wafers	45.00	51.00
	Ceres Foods Fish Mustard Instant Liquid Masala	220.00	50.00
	Ceres Foods Laal Maas Instant Liquid Masala	220.00	50.00
	Ceres Foods Nalli Nihari Instant Liquid Masala	220.00	50.00
	Chef's Basket Durum Wheat Elbow Pasta	160.00	50.00
	Chef's Basket Durum Wheat Fusilli Pasta	160.00	50.00
	Chef's Basket Durum Wheat Penne Pasta	160.00	50.00
	Dukes Waffy Chocolate Wafer Rolls	150.00	50.00

Q10. Which high-MRP products are currently out of stock?

```
SELECT DISTINCT product_name, mrp  
FROM zepto  
WHERE outOfStock = TRUE  
AND mrp > 300  
ORDER BY mrp DESC;
```

	product_name	mrp
▶	Patanjali Cow's Ghee	565.00
	MamyPoko Pants Standard Diapers, Extra Large...	399.00
	Aashirvaad Atta With Multigrains	315.00
	Everest Kashmiri Lal Chilli Powder	310.00

Q11. Calculate the estimated revenue generated by each product category.

```
SELECT category,  
       SUM(discountedSellingPrice * availableQuantity) AS total_revenue  
  FROM zepto  
 GROUP BY category  
 ORDER BY total_revenue;
```

	category	total_revenue
▶	Fruits & Vegetables	10846.00
	Meats, Fish & Eggs	20693.00
	Biscuits	25007.60
	Dairy, Bread & Batter	55051.00
	Beverages	55051.00
	Health & Hygiene	64180.00
	Home & Cleaning	122661.00
	Packaged Food	224385.00
	Ice Cream & Desserts	224385.00
	Chocolates & Candies	224385.00
	Personal Care	270849.00
	Paan Corner	270849.00
	Cooking Essentials	337369.00
	Munchies	337369.00

Q12. Identify products with MRP greater than ₹500 but offering less than 10% discount.

```
SELECT DISTINCT product_name, mrp, discountPercent  
  FROM zepto  
 WHERE mrp > 500  
   AND discountPercent < 10  
 ORDER BY mrp DESC, discountPercent DESC;
```

product_name	mrp	discountPercent
Dhara Kachi Ghani Mustard Oil Jar	1250.00	8.00
Saffola Gold (Jar)	1240.00	0.00
Dhara Filtered Groundnut Oil (Jar)	1050.00	1.00
Fortune Rice Bran Health Oil (Jar)	1050.00	1.00
Dhara Filtered Groundnut Oil (Jar)	1050.00	0.00
Fortune Soyabean Oil	1005.00	0.00
Fortune Sunlite Refined Sunflower (Jar)	925.00	0.00
Surf Excel Matic Powder Front Load	810.00	7.00
Surf Excel Matic Top Load	720.00	9.00
Pedigree Puppy Dry Dog Food Food Chicken & Milk	690.00	6.00
Pedigree Dog Food Adult Meat & Rice	660.00	7.00
Lizol Double Concentrate Disinfectant Floor Clea...	650.00	8.00
Nestle Nestle Nan Pro Follow-Up Formula	650.00	0.00
Dove Daily Shine Shampoo	645.00	5.00
L'Oreal Paris Excellence Creme Hair Color, 1 Black	620.00	0.00
L'Oreal Paris Excellence Creme Hair Color, 3 Dar...	620.00	0.00
L'Oreal Paris Excellence Creme Hair Color, 4 Nat...	620.00	0.00
L'Oreal Paris Excellence Creme Hair Color, 4.25 ...	620.00	0.00
Nestle Nan Pro 4 Follow Up Formula Powder For...	620.00	0.00
Pediasure Premium Chocolate Powdered Health ...	610.00	0.00
Surf Excel Quick Wash	600.00	8.00
Gowardhan Ghee Jar	598.00	3.00
Organic India Apple Cider Vinegar	595.00	9.00
Banrrv's Fruit Fibre Muesli Mixed Fruit	595.00	0.00

Q13. Find the top 5 categories offering the highest average discount.

SELECT category,

ROUND(AVG(discountPercent), 2) AS avg_discount

FROM zepto

GROUP BY category

ORDER BY avg_discount DESC

LIMIT 5;

category	avg_discount
Fruits & Vegetables	15.46
Meats, Fish & Eggs	11.03
Chocolates & Candies	8.32
Ice Cream & Desserts	8.32
Packaged Food	8.32

Q14. Calculate price per gram for products weighing more than 100 grams and identify best value items.

```
SELECT DISTINCT product_name, weightInGms, discountedSellingPrice,  
ROUND(discountedSellingPrice / weightInGms, 2) AS price_per_gram  
FROM zepto  
WHERE weightInGms >= 100  
ORDER BY price_per_gram;
```

	product_name	weightInGms	discountedSellingPrice	price_per_gram
▶	Aashirvaad Iodised Salt	1000	19.00	0.02
	Onion	1000	21.00	0.02
	Onion	3000	57.00	0.02
	Shubh kart - Nirmal sugandhi mogra wet dhoop ...	1160	28.00	0.02
	Tata Salt	1000	24.00	0.02
	Vicks Cough Drops Menthol	1160	20.00	0.02
	Baby Potato	500	16.00	0.03
	Beetroot	500	13.00	0.03
	Carrot	500	15.00	0.03
	Potato	1000	29.00	0.03
	Potato	3000	84.00	0.03
	Raw Banana	500	17.00	0.03
	Shubh kart - Tejas Twisted Cotton Wicks 1000n	1000	28.00	0.03
	Aashirvaad Atta	10000	399.00	0.04
	Beetroot	250	9.00	0.04
	Capsicum	500	21.00	0.04
	Carrot	250	11.00	0.04
	Pillsbury Chakki Fresh Atta	10000	375.00	0.04
	Radish White	500	19.00	0.04
	Tata Salt Lite	1000	36.00	0.04
	Tomato Hybrid	1000	35.00	0.04
	Aashirvaad Superior MP Atta	5000	245.00	0.05
	Aashirvaad Superior MP Whole Wheat Atta	1000	52.00	0.05
	Ansara Non Dust Fraser	1160	54.00	0.05

Result 55 ×

Q15. Classify products into Low, Medium, and Bulk categories based on weight.

```
SELECT DISTINCT product_name, weightInGms,  
CASE WHEN weightInGms < 1000 THEN 'Low'  
WHEN weightInGms < 5000 THEN 'Medium'  
ELSE 'Bulk'  
END AS weight_category
```

FROM zepto;

	product_name	weightInGms	weight_category
▶	Onion	1000	Medium
	Tomato Hybrid	1000	Medium
	Tender Coconut	58	Low
	Coriander Leaves	100	Low
	Ladies Finger	250	Low
	Potato	1000	Medium
	Lemon	200	Low
	Watermelon	58	Low
	Capsicum Green	250	Low
	Chilli Green	100	Low
	Banana Robusta	348	Low
	Garlic Indian	100	Low
	Cauliflower	58	Low
	Ginger	200	Low
	Spinach	250	Low
	Muskmelon	58	Low
	Cabbage	58	Low
	Methi	250	Low
	Broccoli	500	Low
	Sapota	348	Low
	Onion	3000	Medium
	Potato	3000	Medium
	Orange Nagpur	232	Low

Q16. Calculate the total inventory weight available per category.

```
SELECT category,  
SUM(weightInGms * availableQuantity) AS total_weight  
FROM zepto  
GROUP BY category  
ORDER BY total_weight;
```

	category	total_weight
▶	Meats, Fish & Eggs	48016
	Biscuits	84431
	Fruits & Vegetables	91794
	Health & Hygiene	142904
	Dairy, Bread & Batter	143735
	Beverages	143735
	Personal Care	348187
	Paan Corner	348187
	Home & Cleaning	373236
	Packaged Food	490797
	Ice Cream & Desserts	490797
	Chocolates & Candies	490797
	Cooking Essentials	1404654
	Munchies	1404654

