



zepto

Zep
to
Data Product
Analysis



Hello!

In this project i have utilized
SQL queries to solve question
that were related to Zepto
Product Data

The Foundation: The Dataset Schema

 zepto_v2	...
Σ availableQuantity	
Category	
Σ discountedSellingPrice	
Σ discountPercent	
Σ mrp	
name	
outOfStock	
Σ quantity	
Σ weightInGms	

My analysis began with a single, structured table named `zepto_v2`. Understanding this schema was the first step in unlocking insights.

Checked for null Values

```
21 ✓ select * from zepto
22 where name is NULL
23 OR
24 CATEGORY IS NULL
25 OR
26 mrp IS NULL
27 OR
28 DISCOUNTPERCENT IS NULL
29 OR
30 AVAILABLEQUANTITY IS NULL
31 OR
32 DISCOUNTEDSELLINGPRICE IS NULL
33 OR
34 WEIGHTINGMS IS NULL
35 OR
36 OUTOFSOCK IS NULL
37 OR
38 QUANTITY IS NULL;
```

OUTPUT

sku_id [PK] integer	category character varying (120)	name character varying (150)	mrp numeric (8,2)	discountpercent numeric (5,2)	availablequantity integer	discountedsellingprice numeric (8,2)	weightingms integer	outofstock boolean	quantity integer
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PRODUCTS IN STOCK VS OUT OF STOCK

```
46 ✘ SELECT outofstock, count(sku_id)  
47   from zepto  
48   group by outofstock;
```

	outofstock boolean	count bigint
1	false	3278
2	true	453



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

```
73 ✓ select distinct(name), mrp,discountpercent  
74   from zepto  
75   order by discountpercent desc  
76   limit 10;
```

	name character varying (150)	mrp numeric (8,2)	discountpercent numeric (5,2)
1	Dukes Waffy Orange Wafers	45.00	51.00
2	Dukes Waffy Chocolate Wafers	45.00	51.00
3	Dukes Waffy Strawberry Wafers	45.00	51.00
4	RRO Mozzarella Block Cheese	295.00	50.00
5	Ceres Foods Laal Maas Instant Liquid Masala	220.00	50.00
6	Chef's Basket Durum Wheat Elbow Pasta	160.00	50.00
7	RRO Mozzarella Pizza Cheese	275.00	50.00
8	Ceres Foods Fish Mustard Instant Liquid Ma...	220.00	50.00
9	Dukes Waffy Strawberry Roll	150.00	50.00
10	Ceres Foods Nalli Nihari Instant Liquid Masala	220.00	50.00

what are the products with high mrp but out of stock

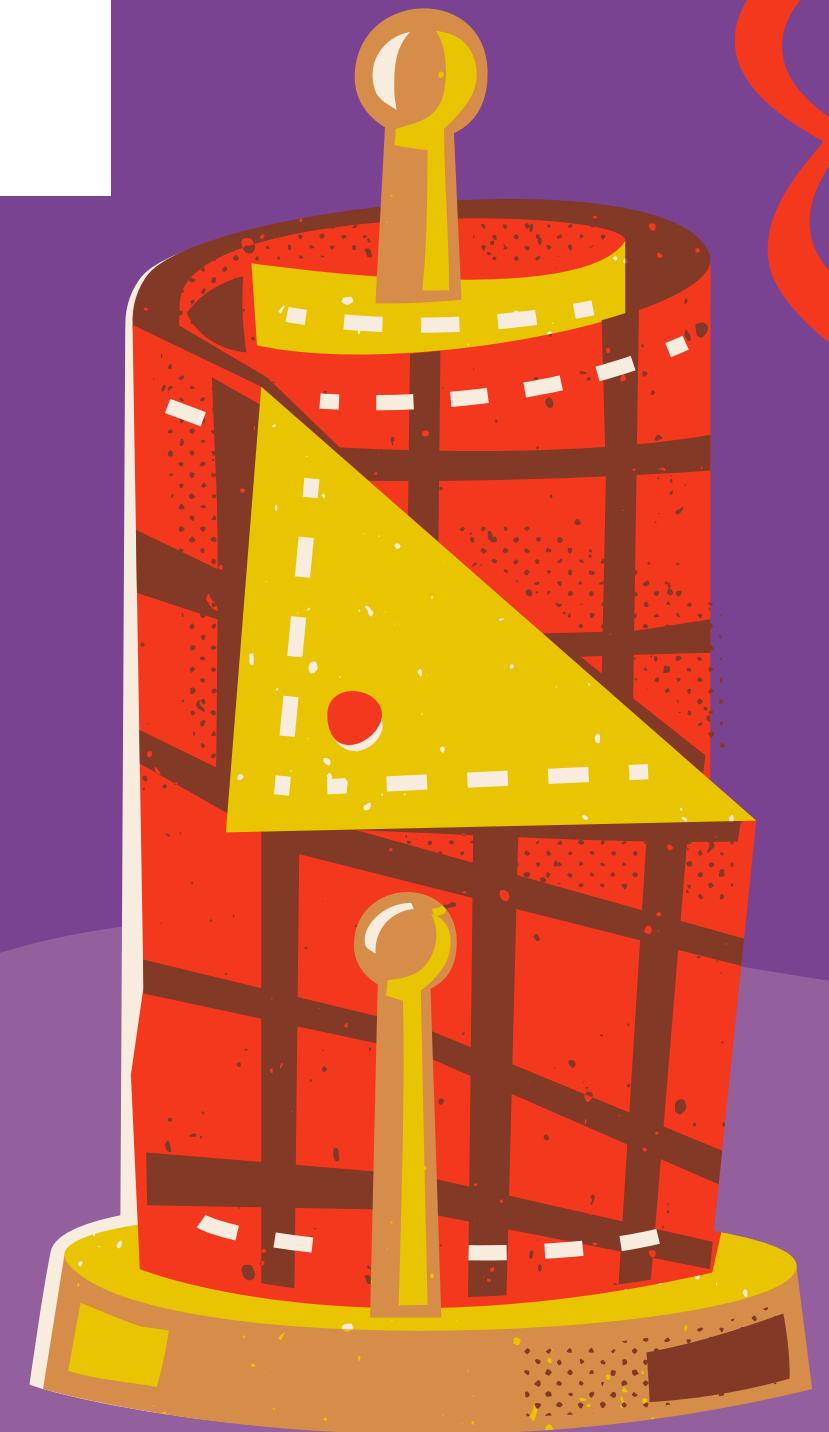
```
80 ✕ select distinct(name), mrp from zepto
81   where outofstock = True and mrp>300
82     order by mrp desc;
```

	name character varying (150)	mrp numeric (8,2)
1	Patanjali Cow's Ghee	565.00
2	MamyPoko Pants Standard Diapers, Extra Large (12 - 17 kg)	399.00
3	Aashirvaad Atta With Mutigrains	315.00
4	Everest Kashmiri Lal Chilli Powder	310.00

calculate estimated revenue for each category

```
85 ▼ select category, sum(discountedsellingprice * availablequantity) as total_revenue  
86   from zepto  
87   group by category  
88   order by total_revenue;
```

	category character varying (120)	total_revenue numeric
1	Fruits & Vegetables	10846.00
2	Meats, Fish & Eggs	20693.00
3	Biscuits	25007.60
4	Beverages	55051.00
5	Dairy, Bread & Batter	55051.00
6	Health & Hygiene	64180.00
7	Home & Cleaning	122661.00
8	Ice Cream & Desserts	224385.00
9	Chocolates & Candies	224385.00
10	Packaged Food	224385.00
11	Personal Care	270849.00
12	Paan Corner	270849.00
13	Munchies	337369.00
14	Cooking Essentials	337369.00



find all products where mrp is greater than 500 and discount is less than 10%.

```
91 ✓ select distinct name, mrp, discountPercent  
92   from zepto  
93   where mrp>500 and discountpercent<10  
94   order by mrp desc, discountpercent DESC;
```

	name character varying (150)	mrp numeric (8,2)	discountpercent numeric (5,2)
1	Dhara Kachi Ghani Mustard Oil Jar	1250.00	8.00
2	Saffola Gold (Jar)	1240.00	0.00
3	Dhara Filtered Groundnut Oil (Jar)	1050.00	1.00
4	Fortune Rice Bran Health Oil (Jar)	1050.00	1.00
5	Dhara Filtered Groundnut Oil (Jar)	1050.00	0.00
6	Fortune Soyabean Oil	1005.00	0.00
7	Fortune Sunlite Refined Sunflower (Jar)	925.00	0.00
8	Surf Excel Matic Powder Front Load	810.00	7.00
9	Surf Excel Matic Top Load	720.00	9.00
10	Pedigree Puppy Dry Dog Food Food Chicken & Milk	690.00	6.00
11	Pedigree Dog Food Adult Meat & Rice	660.00	7.00
12	Lizol Double Concentrate Disinfectant Floor Cleaner Citrus	650.00	8.00
13	Nestle Nestle Nan Pro Follow-Up Formula	650.00	0.00
14	Dove Daily Shine Shampoo	645.00	5.00
15	L'Oreal Paris Excellence Creme Hair Color, 1 Black	620.00	0.00
16	L'Oreal Paris Excellence Creme Hair Color, 3 Dark Brown/Natural Darkest Bro...	620.00	0.00
17	L'Oreal Paris Excellence Creme Hair Color, 4 Natural Brown/Natural Dark Brown	620.00	0.00
18	L'Oreal Paris Excellence Creme Hair Color, 4.25 Aishwarya's Brown	620.00	0.00
19	Nestle Nan Pro 4 Follow Up Formula Powder For Older Infants	620.00	0.00

Total rows: 39 Query complete 00:00:01.018

identify the top 5 categories offering the highest average discount percentage.

```
97 ✓ select category, round(avg(discountpercent),2) as avg_discount  
98   from zepto  
99   group by category  
100  order by avg_discount desc
```

	category character varying (120)	avg_discount numeric
1	Fruits & Vegetables	15.46
2	Meats, Fish & Eggs	11.03
3	Ice Cream & Desserts	8.32
4	Chocolates & Candies	8.32
5	Packaged Food	8.32



find the price per gram for products above 100 gm and sort by best value.

```
104 select distinct name, weightingms, discountedsellingprice,  
105 round(discountedsellingprice/weightingms,2) as price_per_gram  
106 from zepto  
107 where weightingms >= 100  
108 order by price_per_gram;
```

	name character varying (150)	weightingms integer	discountedsellingprice numeric (8,2)	price_per_gram numeric
1	Tata Salt	1000	24.00	0.02
2	Onion	1000	21.00	0.02
3	Onion	3000	57.00	0.02
4	Shubh kart - Nirmal sugandhi mogra wet dhoop zipper 20 sticks	1160	28.00	0.02
5	Vicks Cough Drops Menthol	1160	20.00	0.02
6	Aashirvaad Iodised Salt	1000	19.00	0.02
7	Carrot	500	15.00	0.03
8	Potato	1000	29.00	0.03
9	Beetroot	500	13.00	0.03
10	Baby Potato	500	16.00	0.03
11	Shubh kart - Tejas Twisted Cotton Wicks 1000n	1000	28.00	0.03
12	Raw Banana	500	17.00	0.03
13	Potato	3000	84.00	0.03
14	Tata Salt Lite	1000	36.00	0.04
15	Aashirvaad Atta	10000	399.00	0.04
16	Tomato Hybrid	1000	35.00	0.04
17	Capsicum	500	21.00	0.04
18	Radish White	500	19.00	0.04

Total rows: 1395

Query complete 00:00:00.218

group the products into categories like low, medium, bulk.

```
111 ✓ select distinct name, weightingms,  
112 case when weightingms < 1000 then 'low'  
113 when weightingms < 5000 then 'medium'  
114 else 'bulk'  
115 end as weight_categories  
116 from zepto;
```

	name character varying (150)	weightingms integer	weight_categories text
1	Pantene Advanced Hair Fall Solution Shampoo - Total Damage Care	340	low
2	L'Oreal Paris Excellence Creme Hair Color, 4.25 Aishwarya's Brown	172	low
3	TGFC Bombay Duck Whole Cleaned	500	low
4	Veeba Peri Peri Sauce	300	low
5	Weikfield Cooker Cake Mix - Chocolate	150	low
6	Dettol Lather Shaving Cream	78	low
7	Weikfield Drinking Chocolate Powder	100	low
8	The Whole Truth Vegan Almond Choco Fudge Energy Bar No Sugar	40	low
9	Weikfield Veg Jelly Crystals - Raspberry	90	low
10	Tong Garden Wasabi Coated Greenpeas Tin	180	low
11	Veeba English Mustard	300	low
12	Happilo Premium 100% Natural Whole Cashews	200	low
13	Figaro Pitted Black Olive	450	low
14	Praakritik Organic Natural Rock Salt	500	low
15	Beetroot	500	low
16	Chings Instant Soup - Hot & Sour	15	low
17	Popular Essentials Poppy Seeds (Gasagase)	100	low
18	Popular Essentials Nylon Til	100	low

Total rows: 1782 Query complete 00:00:00.214



what is the total inventory weight per category.

```
119 ✓ select category,  
120 sum(weightingms * availablequantity) as total_weight  
121 from zepto  
122 group by category  
123 order by total_weight;
```

	category character varying (120)	total_weight bigint
1	Meats, Fish & Eggs	48016
2	Biscuits	84431
3	Fruits & Vegetables	91794
4	Health & Hygiene	142904
5	Dairy, Bread & Batter	143735
6	Beverages	143735
7	Paan Corner	348187
8	Personal Care	348187
9	Home & Cleaning	373161
10	Ice Cream & Desserts	490797
11	Chocolates & Candies	490797
12	Packaged Food	490797
13	Munchies	1404654
14	Cooking Essentials	1404654