Blinkit Data Analysis

BUSINESS REQUIREMENT

To conduct a comprehensive analysis of Blinkit's sales performance, customer satisfaction, and inventory distribution to identify key insights and opportunities for optimization using various KPIs.

KPI's Requirements

- 1. **Total Sales**: The overall revenue generated from all items sold.
- 2. **Average Sales**: The average revenue per sale.
- 3. **Number of Items**: The total count of different items sold.
- 4. **Average Rating**: The average customer rating for items sold.

```
select * from blinkit_data
select count(*) from blinkit data
```

Data Cleaning

```
update blinkit_data
set Item_Fat_Content =
case
when Item_Fat_Content in ('LF','low fat') then 'Low Fat'
when Item_Fat_Content = 'reg' then 'Regular'
else Item_Fat_Content
end
select distinct(item_fat_content) from blinkit_data
```

Q.1 TOTAL SALES BY FAT CONTENT

ANS:

```
select Item_Fat_Content,

cast(sum(Total_Sales) as decimal(10,2)) as Total_sales,

cast(avg(Total_Sales) as decimal(10,1)) as Avg_Sales,

count(*) as No_Of_Items,

cast(avg(Rating)as decimal(10,2)) as Avg_Rating

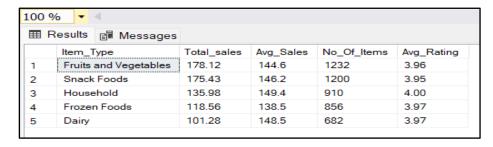
from blinkit_data

group by Item_Fat_Content

order by Total_Sales desc;
```



Q.2 TOTAL SALES BY ITEM TYPE



Q.3 FAT CONTENT BY OUTLET FOR TOTAL SALES

Ans:

```
select outlet_location_type,

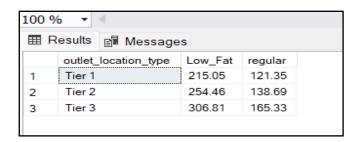
isnull([Low Fat],0) as Low_Fat,
isnull([Regular],0) as regular

from

(

select Outlet_Location_Type ,Item_fat_content,
cast(sum(Total_Sales)/1000 as decimal(10,2)) as Total_sales
from blinkit_data
group by Outlet_Location_Type,Item_Fat_Content
) as SourceTable
PIVOT

(
sum(total_sales)
for item_fat_content in ([Low Fat],[Regular])
) as PivotTable
Order by outlet_location_type;
```



Q.4 TOTAL SALES BY OUTLET ESTABLISHMENT

Ans:

100 9	% ▼ 4	
III F	Results 🗐 Messages	
	Outlet_Establishment_Year	Total_sales
1	2011	78.13
2	2012	130.48
3	2014	131.81
4	2015	130.94
5	2016	132.11
6	2017	133.10
7	2018	204.52
8	2020	129.10
9	2022	131.48

100 %	6 ▼	4						
⊞ Results								
	Outlet_	_Establishment_Year	Total_sales	Avg_Sales	No_Of_Items	Avg_Rating		
1	2011		78.13	140.8	555	3.98		
2	2020		129.10	139.4	926	3.98		
3	2012		130.48	140.3	930	3.99		
4	2015		130.94	141.0	929	3.96		
5	2022		131.48	141.7	928	3.97		
6	2014		131.81	141.4	932	3.95		
7	2016		132.11	142.1	930	3.96		
8	2017		133.10	143.1	930	3.94		
9	2018		204.52	139.8	1463	3.97		

Q.5 SALES BY OUTLET SIZE

Ans:



Q.6 SALES BY OUTLET LOCATION

Ans:



Q.7 ALL METRICS BY OUTLET TYPE

Ans:

```
select Outlet_Type,

cast(sum(Total_Sales)/1000 as decimal(10,2)) as Total_sales,

cast((sum(Total_Sales)*100.0/sum(sum(Total_Sales))over ()) as decimal(10,2)) as

Sales_Percentage,

cast(avg(Total_Sales) as decimal(10,1)) as Avg_Sales,

count(*) as No_Of_Items,

cast(avg(Rating)as decimal(10,2)) as Avg_Rating
```

from blinkit_data group by Outlet_Type order by Total sales DESC;

