Blinkit Analysis

* See all the data imported:

SELECT \* FROM blinkit;

* Data Cleaning:

Cleaning the Item\_Fat\_Content field ensures data consistency and accuracy in analysis.

The presence of multiple variations of the same category (e.g., LF, low fat vs. Low Fat) can cause issue in reporting, aggregations and filtering. By standardizing these values, we improve data quality, making it easier to generate insights and maintain uniformity in our data.

UPDATE blinkit

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;

After executing this query check the data has been cleaned or not using below query

SELECT DISTINCT(Item\_Fat\_Content) FROM blinkit;

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1. KPI
2. Total Sales

SELECT CAST(SUM(Sales) / 1000000.0 AS DECIMAL(10,2)) AS total\_sales FROM blinkit;

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1. Average Sales

SELECT CAST(Avg(Sales) AS DECIMAL(10,0)) AS average\_sales FROM blinkit;

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1. Number of Items

SELECT COUNT(\*) AS number\_of\_items FROM blinkit;

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1. Average Rating

SELECT AVG(rating) AS average\_rating FROM blinkit;

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1. Granular Requirement
2. Total Sales and Other KPI Metrics by Fat Content

SELECT Item\_Fat\_Content,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS total\_sales,

CAST(Avg(Sales) AS DECIMAL(10,0)) AS average\_sales,

COUNT(\*) AS number\_of\_items,

AVG(rating) AS average\_rating

FROM blinkit

GROUP BY Item\_Fat\_Content

ORDER BY total\_sales DESC;

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1. Total Sales and Other KPI Metrics by Item Type

SELECT Item\_Type,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS total\_sales,

CAST(Avg(Sales) AS DECIMAL(10,0)) AS average\_sales,

COUNT(\*) AS number\_of\_items,

AVG(rating) AS average\_rating

FROM blinkit

GROUP BY Item\_Type

ORDER BY total\_sales DESC;

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1. Fat Content by Outlets for Total Sales

SELECT Outlet\_Location\_Type, Item\_Fat\_Content,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS total\_sales,

CAST(Avg(Sales) AS DECIMAL(10,0)) AS average\_sales,

COUNT(\*) AS number\_of\_items,

AVG(rating) AS average\_rating

FROM blinkit

GROUP BY Outlet\_Location\_Type,Item\_Fat\_Content

ORDER BY total\_sales DESC;

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1. Total Sales by Outlet Eastablishment

SELECT Outlet\_Establishment\_Year,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS total\_sales,

CAST(Avg(Sales) AS DECIMAL(10,0)) AS average\_sales,

COUNT(\*) AS number\_of\_items, AVG(rating) AS average\_rating

FROM blinkit

;

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1. Charts Requirement
2. Percentage of Sales by Outlet Size

SELECT

Outlet\_Size,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS Total\_Sales,

CAST(SUM(Sales) \* 100.0 / SUM(SUM(Sales)) OVER() AS DECIMAL(10,2)) AS Sales\_Percentage

FROM blinkit

GROUP BY Outlet\_Size

ORDER BY total\_sales DESC;

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1. Sales by Outlet Location

SELECT Outlet\_Location\_Type,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS total\_sales,

CAST(Avg(Sales) AS DECIMAL(10,0)) AS average\_sales,

COUNT(\*) AS number\_of\_items,

AVG(rating) AS average\_rating

FROM blinkit

GROUP BY Outlet\_Location\_Type

ORDER BY total\_sales DESC;

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1. All Metrics by Outlet Type

SELECT Outlet\_Type,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS total\_sales,

CAST(Avg(Sales) AS DECIMAL(10,0)) AS average\_sales,

COUNT(\*) AS number\_of\_items,

AVG(rating) AS average\_rating

FROM blinkit

GROUP BY Outlet\_Type

ORDER BY total\_sales DESC;

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