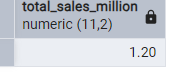
Solution:

KPI Requirment

**1. TOTAL SALES:**

select cast (sum(total\_sales / 1000000.0) as decimal(11,2))

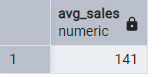
as Total\_sales\_million from goods;



**2. AVERAGE SALES**

**select round(avg(total\_sales) )**

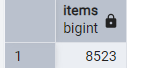
**as avg\_sales from goods;**

****

**3. Number of Items**

**select distinct(count(item\_identifier) )**

**as items from goods;**

****

**4. Average Rating**

**select cast (avg(rating) as decimal (5,1))**

**as Avg\_rating from goods;**

****

**Granular requirement**

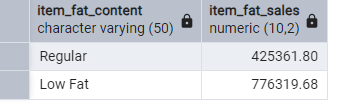
1. **TOTAL SALES BY FAT CONTENT**

**select item\_fat\_content , cast (sum(total\_sales) as decimal (10,2))**

**as Item\_Fat\_Sales**

**from goods**

**group by item\_fat\_content ;**

****

1. **Total Sales by Item Type**

**select item\_type , cast (sum(total\_sales) as decimal (10))**

**as Total\_Sales from goods**

**group by item\_type**

**order by Total\_Sales**

**desc**

**;**

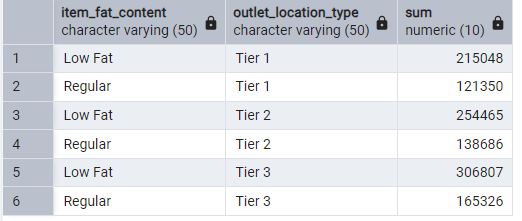
****

1. **Fat Content by Outlet for Total Sales**

**select item\_fat\_content, outlet\_location\_type , cast (sum(total\_sales) as decimal (10))from goods**

**group by outlet\_location\_type, item\_fat\_content**

**order by outlet\_location\_type;**

****

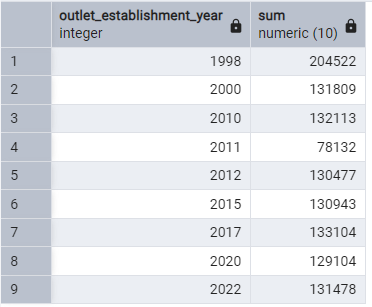
1. **Total Sales by Outlet Establishment**

**SELECT outlet\_establishment\_year , cast (sum(total\_sales) as decimal (10)) from goods**

**group by outlet\_establishment\_year**

**order by outlet\_establishment\_year**

**;**

****

1. **Percentage of Sales by Outlet Size**

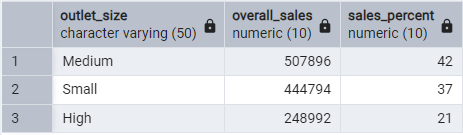
**SELECT**

**outlet\_size, cast (sum(total\_sales) as decimal (10)) as overall\_sales,**

**cast ((sum(total\_sales) \* 100.0 / sum(sum(total\_sales)) over()) as decimal (10)) as sales\_percent**

**from goods**

**group by outlet\_size , order by sales\_percent desc ;**

****

1. **Sales by Outlet Location**

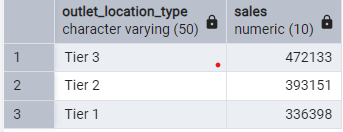
**select outlet\_location\_type, cast (sum(total\_sales) as decimal (10)) as sales**

**from goods**

**group by outlet\_location\_type**

**order by sales**

**desc;**

****

1. **All Metrics by Outlet Type**

**select**

**outlet\_type,**

**cast(sum(total\_sales) as decimal (10)) as Sales,**

**cast(avg(total\_sales) as decimal (10)) as Avg\_Sales,**

**count(item\_identifier) as No\_of\_items,**

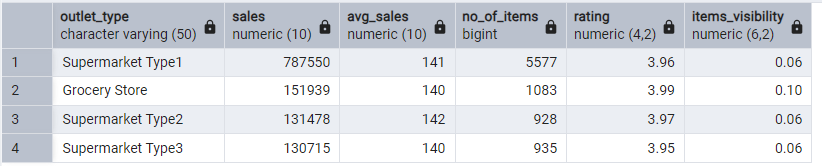
**cast(avg(rating) as decimal (4,2)) as Rating,**

**cast (avg(item\_visibility) as decimal (6,2)) as Items\_visibility**

**from goods**

**group by outlet\_type**

**;**

****