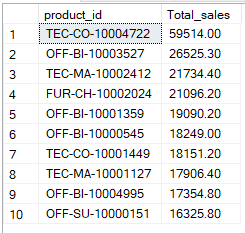
1. Top 10 highest revenue generating products

select top 10 product\_id, sum(sale\_price) as Total\_sales

from df\_orders

group by product\_id

order by Total\_sales desc;



1. Top 5 highest selling products in each region

with cte as(

select Region,product\_id, sum(sale\_price) as Total\_sales

from df\_orders

group by product\_id,Region

)

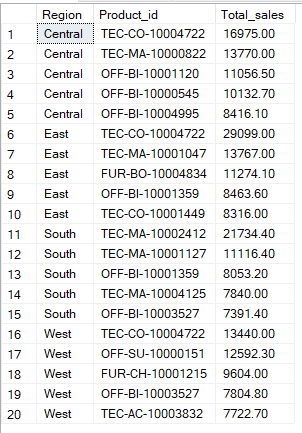
, cte2 as(

select \*, DENSE\_RANK() over (partition by Region order by Total\_sales desc) as drnk

from cte

)

select Region, Product\_id, Total\_sales from cte2 where drnk <= 5;



1. Month over month growth comparison for 2022 and 2023 sales

with cte as(

select year(order\_date) as Order\_year, month(order\_date) as Order\_month, sum(sale\_price) as sales

from df\_orders

group by year(order\_date), month(order\_date)

)

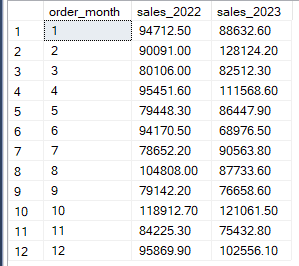
select order\_month,

sum(case when order\_year=2022 then sales else 0 end) as sales\_2022,

sum(case when order\_year=2023 then sales else 0 end) as sales\_2023

from cte

group by order\_month;



1. Highest sales month for each category

with cte as(

select format(order\_date,'yyyyMM') as Order\_month, category, sum(sale\_price) as Sales

from df\_orders

group by format(order\_date,'yyyyMM'), category

)

, cte2 as(

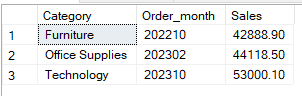
select \*,

DENSE\_RANK() over (partition by category order by sales desc) as drnk

from cte

)

select Category, Order\_month, Sales from cte2 where drnk=1;



1. Highest growth subcategory by profit in 2023 compared to 2022

with cte as(

select sub\_category, year(order\_date) as Order\_year, sum(sale\_price) as sales

from df\_orders

group by sub\_category,year(order\_date)

)

,cte2 as(

select sub\_category,

sum(case when order\_year=2022 then sales else 0 end) as sales\_2022,

sum(case when order\_year=2023 then sales else 0 end) as sales\_2023

from cte

group by sub\_category

)

select top 1 \*, (sales\_2023-sales\_2022)\*100/sales\_2022 as Growth\_percentage

from cte2

order by Growth\_percentage desc;

