# Retail Price Optimization Documentation

# I need to know how many customers they are bought from us?

A number on a white background

Description automatically generatedA screenshot of a computer

Description automatically generatedselect sum(customers)

as "Total No of Customer"

from retail\_price$

# I need to know how many Products we are selling?

A number on a white background

Description automatically generated

A screenshot of a computer

Description automatically generatedselect count (distinct(product\_id))

as "Total No of Product"

from retail\_price$

# I need to know how many Products we Have in our retail

A screenshot of a computer

Description automatically generated

A number on a white background

Description automatically generatedselect count (distinct [product\_category\_name])

as "Total No of product\_category"

from retail\_price$

# I need to know how many quantities they are selling for the customers?

A close-up of numbers

Description automatically generatedA screenshot of a computer message

Description automatically generatedselect SUM([qty])

as "Total No of quantity selling"

from retail\_price$

# I need to know the Total sales?

A price tag with numbers

Description automatically generatedA screenshot of a computer

Description automatically generatedselect SUM ([total\_price])

as "Total Sales"

from retail\_price$

# I need to know the Total freight Price

A number on a white background

Description automatically generatedA screenshot of a computer

Description automatically generatedselect SUM ([freight\_price])

as "Total freight price"

from retail\_price$

# I need to know the different between the average price for each product this month and the past month

select product\_category\_name as"product name”, avg (unit\_price) as "unit price"

, avg (lag\_price) as "lag unit price"

from retail\_price$

group by [product\_category\_name]

order by product\_category\_name asc

A screenshot of a computer

Description automatically generated

A graph of sales and prices

Description automatically generated with medium confidence

# I need to know the total sales for each product category?

select product\_category\_name as"product name”, SUM ([total\_price]) as "Total Sales"

from retail\_price$

group by [product\_category\_name]

A screenshot of a computer

Description automatically generated

A chart with text and numbers

Description automatically generated

# I need to know the total freight price for each product category?

select product\_category\_name as"product name”, SUM ([freight\_price]) as "freight price"

from retail\_price$

group by [product\_category\_name]

A screenshot of a computer

Description automatically generatedA graph with text and numbers

Description automatically generated with medium confidence

# I need to know the No of quantity selling for each product category

select product\_category\_name as"product name”, SUM ([qty]) as "Total No of quantity selling"

from retail\_price$

group by [product\_category\_name]

A graph of a bar chart

Description automatically generated with medium confidenceA screenshot of a computer

Description automatically generated

# I need to know the total sales for each month for each Product category?

select month\_year as "month-year”, SUM ([total\_price]) as "Total Sales"

from retail\_price$

group by [month\_year]

A screenshot of a computer screen

Description automatically generated

A graph showing the price of a year

Description automatically generated

]

# I need to know average weight for each product category?

select product\_category\_name as"product name”, avg (product\_weight\_g) as "Average product weight"

from retail\_price$

group by [product\_category\_name]

A screenshot of a computer

Description automatically generatedA chart of a product weight

Description automatically generated with medium confidence

# I need to know the average user Rating for each product category?

select product\_category\_name as"product name”, avg ([product\_score]) as "Average user Rating "

from retail\_price$

group by [product\_category\_name]

A graph showing a growing graph

Description automatically generated with medium confidenceA screenshot of a computer

Description automatically generated

# I need to know total number of customers for each product category?

select product\_category\_name as"product name”, sum ([customers]) as "Total No of customers"

from retail\_price$

group by [product\_category\_name]

A bar graph with text

Description automatically generatedA screenshot of a computer

Description automatically generated

# I need to know the total number of product and quantity for each product category?

select product\_category\_name as"product name”, COUNT (DISTINCT [product\_id])

as "Total No of product", SUM ([qty]) as "Total quantity selling"

from retail\_price$

group by [product\_category\_name]

A graph of sales

Description automatically generated with medium confidenceA screenshot of a computer

Description automatically generated

# I need to know the Total No of product for each month for each Product category?

select month\_year as "month-year”, COUNT (DISTINCT [product\_id]) as "Total No of product"

from retail\_price$

group by [month\_year]

A screenshot of a table

Description automatically generatedA graph showing the number of products

Description automatically generated

# I need to know the different between average unit price for us and for compatitors?

select product\_category\_name as"product name", Avg ([unit\_price]) as "Average unit price", Avg ([comp\_1]) as "Average unit price for first comp"

, Avg ([comp\_2]) as "Average unit price for second comp”, Avg ([comp\_3]) as "Average unit price for Third comp"

A graph of different colored bars

Description automatically generatedfrom retail\_price$

group by [product\_category\_name]

A screenshot of a computer

Description automatically generated

# I need to know the different between average User Rating for us and for compatitors?

select product\_category\_name as"product name", Avg ([product\_score]) as "Average User Rating", Avg ([ps1]) as "Average User Rating for first comp"

, Avg ([ps2]) as "Average User Rating for second comp”, Avg ([ps3]) as "Average User Rating for Third comp"

from retail\_price$

group by [product\_category\_name]

A screenshot of a computer

Description automatically generated

A screen shot of a chart

Description automatically generated

# I need to know the different between average User Rating for us and for compatitors?

select product\_category\_name as"product name", Avg ([freight\_price]) as "Average freight price", Avg ([fp1]) as "Average freight price for first comp"

, Avg ([fp2]) as "Average freight price for second comp”, Avg ([fp3]) as "Average freight price for Third comp"

from retail\_price$

group by [product\_category\_name]

A graph of a chart

Description automatically generated with medium confidenceA screenshot of a computer

Description automatically generated