**Handling Plan Summary**

I looked at the in the Superstore dataset in the PostgreSQL at first to decide how to tackle the problem statement, how the tables were interlinked and by what keys. Depending on what I was looking for from my columns and rows I would make a query accordingly.

I’ve used many functions to create many different charts. Please see the SQL Queries in the Analysis & Charts sheet and in the SQL Query log for reference. Please also see the charts in Analysis & Charts sheet and the Project Presentation Slides for further reference to the charts I created.

Initially I made a few monthly year specific sales and profit charts for product categories. I discarded the yearly charts as I found them of no use.

I made some COUNT(\*) and COUNT DISTINCT check where needed, especially when starting off to decide how to observed the data (please see Data Handling Notes for reference)

I made some quarterly charts using the DATE\_TRUNC and TO\_CHAR functions format the date stamp result. I also used he ROUND function round up any sales figures for easy reading.

For Order Item Requests I used COUNT(\*) and COUNT(order\_id) where appropriate as I would include the number items requests in the orders table

For the product category charts, to work out the sales and profit I used the SUM function where appropriate.

I used the MIN, MAX and AVG functions to working out the respective discount ranges for each category too.

I made some quarterly customer segment charts but discarded them as they didn’t show any obvious trends of use.

I also used JOINS. I made sure I used the appropriate JOIN for the respective data I was trying to find. I used a LEFT JOIN for most of the sales and profit related charts. For the charts involving Returns I used an INNER JOIN to filter the information accordingly and find only the info of the orders that were being Returned.

After producing all the SQL query charts I would tinker with the data layout, formatting and colours in Excel and cete a suitable a suitable chart or table to use in the presentation slides.