**TABLEAU PROJECT**

In this project, I worked on the Microsoft Contoso Retail dataset. I created different sheets and dashboard based on it.

**a): Screenshot of Tableau Data Source view showing Tables and Joins from Contoso DW.**

**A screenshot of a computer

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**Screenshot of FactSales**

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**Screenshot of FactInventory**

\*The above screenshots represents the data source containing FactSales and FactInventory along with the connections with the other tables. In this data source, I have prepared two data source for respective fact tables and later, blending was done for analysis.

**b): Screenshot of Worksheet 1 with Category as Rows and Months of 2009 as Columns.**

**A screenshot of a computer

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\*The above screenshot represents the data of Sales quantity and Inventory on last day of each category of products for the months of 2009.

**c): Screenshot of Worksheet 2 with Line graphs of Stock to Sales ratio for each Category**

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\*The above screenshot shows the stock to sales ratio value for each product category for the months of 2009.

*A close up of a map

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\* The above screenshot represents the line graph for each product category for the months of 2009 as per the solution requirement.

**d): Brief summary of analysis in item 3**

The three items selected were:  
1) NT Bluetooth Active Headphones E202 White

2) NT Wireless Stereo Headphones E302 Pink

3) WWI Stereo Bluetooth Headphones E1000 White

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**Screenshot showing the stock to sales ratio in the months of October, November and December for the 3 items.**

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**Screenshot showing the line graph of stock to sales ratio in the months of October, November and December for the 3 items.**

**Summary:**  
1)In item 1, there was decrease in stock to sales ratio from October to November and increase from November to December. After analyzing the worksheet 1 and worksheet 2, the reason behind this deviation is caused by the high inventory of this product. Although there was increase in sales from October to November and November to December but there was decrease in inventory for November and increase of stock for December. This causes the deviation in stock sales ratio.

2) In item 2, there was decrease in stock to sales ratio from October to November and November to December. After going through the data of sales quantity and inventory on last day, I found that there was increment in the sales and decrement for the stock for the item 2.

3)In item 3 there was decrease in stock to sales ratio from October to November and increase from November to December. There was high sale and low inventory from October to November but there was high inventory from November to December so high inventory is the reason for this change.

\*The following graph shows the changes in sales and inventories for the selected items.

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**DASHBOARD**

For this, I have created a dashboard showing the required details.

I have created following a dashboard containing below mentioned sheets :

Sheet 1: This sheet shows the sales performance in 2009 as compared to 2008 in different cities of the Washington.

Sheet 2: This sheet shows the sales performance of different product categories in 2009 as compared to 2008.

Sheet 3: This sheet shows the top 11 over performing products.

Sheet 4: This sheets shows the bottom 11 under-performing products.

**Screenshot of the Dashboard:**

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