**Assignment 1- Visualization in Tableau**

Course: 6380.003

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**Question 1:** Below is the screenshot of the resulting screen

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**Question 2:** A total of **three tables** are in the loaded dataset. **10,000** is the total number of **rows** in the orders table. **21** is the total number of **columns** in the Orders table.

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**Question 3:**

For order and people table

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For order and return table

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**Question 4:**

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**Question 5:** **SUM** is the default aggregation in Tableau.

**Question 6:**

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**Question 7**: When changing the aggregation from **SUM** to **AVERAGE** in a bar graph, the height of the bars usually decreases. The average calculation smooths out extreme values, providing a more typical value per category. The bars now represent the central tendency (average value) rather than the total.

**Question 8:**

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**Question 9:** Copiers, accessories, machines, binders, storage, tables, chairs, and phones sub-categories have **sales** greater than $140,000.

Furnishings, appliances, storage, paper, binder, chairs, copiers, accessories, and phones are sub-categories with **Profits** greater than $10,000.

**Question 10:**

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**Question 11:**

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**Question 12:** List 3 sub-categories with their corresponding values for each

Sub-categories are making the **most profit**:

Copier= 56094, Phone= 45051, Accessories= 41937

Sub-categories are making the **least profit**:

Tables= -17753, bookcases= - 3632, supplies= -1171

**Question 13:**

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**Question 14:** List 3 sub-categories for each with their respective values

Sub-categories have the highest **sales**:

chairs= 335768, phones= 331843, storage= 224645

Sub-categories have the highest **profits**:

Copier= 56094, Phone= 45051, Accessories= 41937