**Tableau Assignment 2**

1. What is Tableau Data Engine?

Ans. Hyper is Tableau's in-memory Data Engine technology optimized for fast data ingests and analytical query processing on large or complex data sets.

Hyper technology leverages the new instruction sets in CPU and is capable of parallelizing and scaling to all the available cores. Hyper technology is designed to scale to many cores efficiently, and also to maximize the use of each single core as much as possible. This means that you can expect to see the CPU being fully used during query processing. Adding more CPU is expected to result in performance improvement.

1. How to create a calculated field in Tableau?

Ans. In Tableau, select **Analysis** > **Create Calculated Field**.

In the Calculation Editor that opens, do the following:

1. Enter a name for the calculated field
2. Enter a formula.
3. When finished Click OK.
4. Can you tell the differences between TreeMap and Heat Map?

Ans. A heatmap is used to visualize relationship between different categories whereas a treemap displays a hierarchical structure of data in rectangle. Heat map visualize measures against dimensions by depicting them in different colours.

1. What are the components of a dashboard?

Ans. A dashboard is a visualization tool that helps to present data insights in effective way. It is very effective when used as a story teller. There could be different component of dashboard, it could contain- charts, grids, filters, calculated values, etc.

PRACTICE PROBLEM Data: US Superstore Data Link: https://www.kaggle.com/juhi1994/superstor

5. Based on the given data, analyse and answer the following questions

a. How much sales have come from customers from the previous in the current year in terms of Sales Value?

Ans.

b. How much sales have come from customers from the previous in the current year in terms of Sales Percentage?

Ans.

c. Find the orders placed by each customer.

Ans.