Omkar Gurav TE IT Batch T3 Roll No: - 8018 Assignment - 8 · Aim: - Perform the following data visualization operations using Tableau on Super Store data set. OID (Linear) Pata visualization 22D (Planax) Data Visualization 330 (Volumetric) Data Visualization (1 1 Temporal Data Visualization 6 Muttidimensional Pata visualization @ Tree/Hierarchical Data visualization @ Network Data visualization • Theory: - and string was best own, was and string of Q.1. What is visualization? Explain its importance. Data visualization has 2 terms; data & means information & visualization means pictorial representation or graphical representation; so the data visualization term is defined as the pictorial representation of some information so that the user can analyze the data quickly. Data visualization means presenting raw data through graphical representations that allow viewers business analysts & executives to explore the data & uncover deep insights. This visual format enables one to make quick & effective decisions.

PC	help of graphics which merge a graphical interface with traditional elements of BI tools (like connection with other information management systems like databases & spreadsheets).
	Features of Tableau:
0	Quick & easy data acquisition - This tool can work with different graphics like Fever, bars, stacked bars, pie etc.
	2 Publication of interactive graphics - This tool merges variety of data sources in a single view.
	37t has 3 main products to process large scale datasets Tableau desktop, Tableau Server & Tableau Public.
•	FIt can connect with advanced data sources (like Hadoop, Oracle databases, Microsoft SQL server etc.)
Q.3.	Explain the various tableau softwares available.
→	Tableau Softwares include Tableau Server, Tableau DeskTop, Tableau Reader & so on.
	() Tableau DeskTop:-
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1	operations using Tableau on super store datus

This product allows 1 to code & modify the reports.

Starting From creating reports & charts to combining them to Form a dashboard, all this is done in Tableau desktop. It has 2 types OTableau Desktop Personal @Tableau Desktop Professional

2 Tableau Reader:

This a tool that allows I to view visualizations & workbooks generated by using Tableau Public or Tableau Desktop. Since anyone getting the workbook can view it using Tableau Reader, there is no security.

3 Tableau Server;

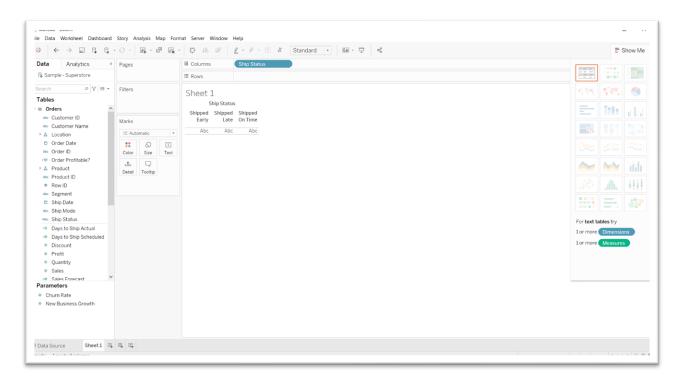
This is mainly used to share visualizations & work books which get generated in the Tableau Desktop application throughout the organization. The work will becomes accessible once it is uploaded on the respective servers.

4 Tableau Online: -

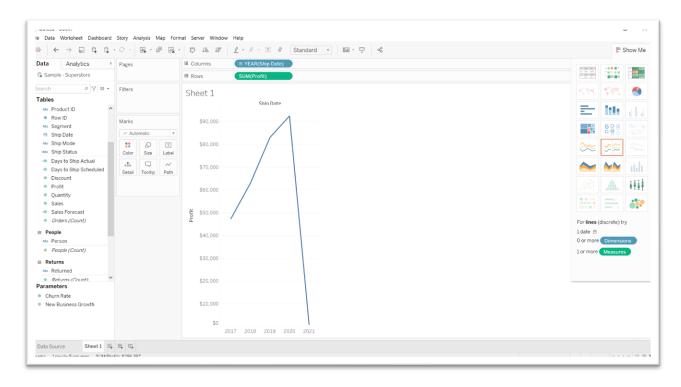
It is a sharing tool. It has similar usage as Tableau Server but data is saved on servers which are provided in cloud maintained by the Tableau group.

· Conclusion: - Thus we have successfully performed data visualization operations using Tableau on Super Store data set.

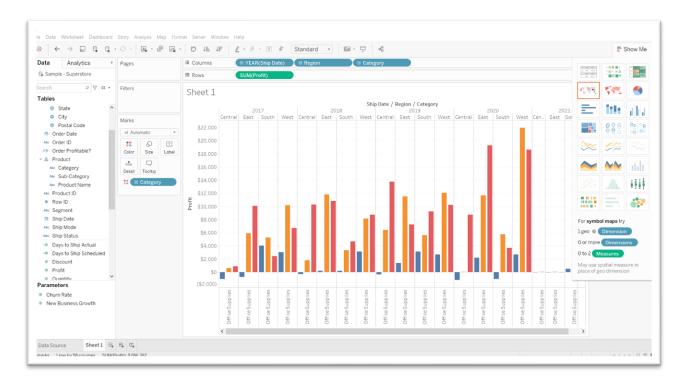
1D (Linear) Data visualization



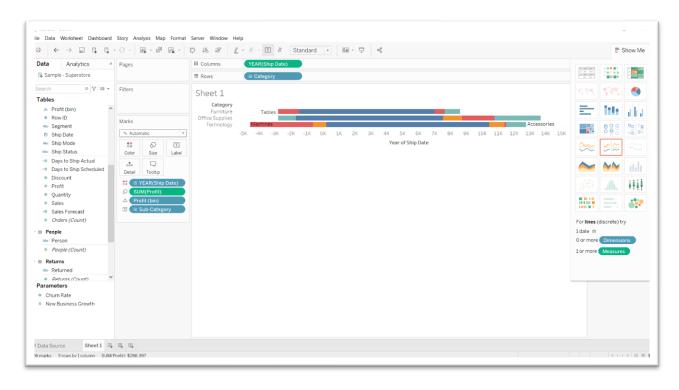
2D (Planar) Data Visualization



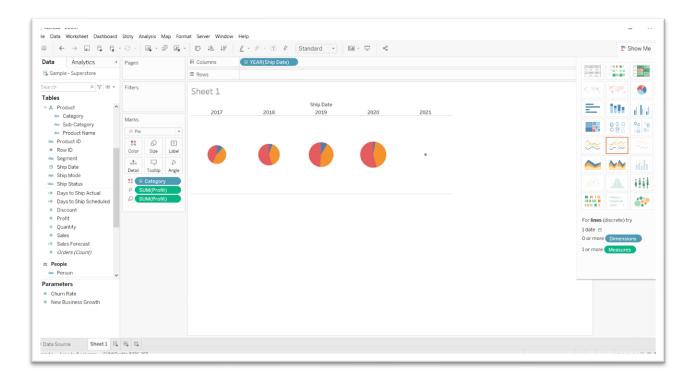
3D (Volumetric) Data Visualization



Temporal Data Visualization



Multidimensional Data Visualization



Tree/ Hierarchical Data visualization

