Lah azzignment 5 Lyxoup B

Jitle: Perform the following data visualization operations using Jableau on adult and iris datasets.

→ Objective:

- a) To understand and apply the analytical concepts of big data using Jabbau.
- b) To study detailed concepts of Tableau.

* software requirements:

- a) Ubuntu 14.04 / 14.10
- b) GNU compiler
- c> Hadoop
- d> Java
- e Jableau
- → Problem statement: Perform the following data visualization operations using tableau on adult and ixis dataset
 - a) 10 (Linear data visualization)
 - b) 2D (Planax data visualization)
 - > 3D (Volumetric data visualization)
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 - 9) Network data visualization



Theory:

- a) Introduction to Jableau -
- · Jableau is a business intelligence tool for visually analyzing the data.
- · Users can create and distribute an interactive and shareable
 - dashboard, which depicts the trends, variations and density of data in form of graphs and charts.
- · Jahleau can connect to Jiles, relational and big data sources to acquire and process data.

Features of Jableau -

- · Jabbau provides solutions for all kinds of industries, departments and data environment.
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- a) speed of analysis:
- the data.
- b> self reliant:
- Jableau does not need a computer software setup. The desktop version which is used by most users is easily installed and contains all the features needed to start and complete data analysis.
- c) Visual discovery:
- The user employer and analyser data by using visual tools like colors, trendlines, charts and graphs.
- d) Blend diverse data sets:
 - Jableau allows you labled different rolational, semi-structured and naw data source in real time without empersive and upfront integration costs.



	e) Architecture agnostic: Jableau works in all kinds of devices where data flows hence the user need not worry about specific software or hardware required to use the software.
	Steps for creating any Tableau data analysis report - Connect to a data source: It involves loading data and using an appropriate type of connection to read the data.
	2) Choose dimensions and measures: This involves selecting the required columns from the source data for analysis, visualization methods such as a specific chart or graph to the data being analyzed.
4	Conclusion: Thus, we have learnt and implemented various types of data visualization methods specified by Tableau software.

FOR EDUCATIONAL USE

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