UNIT - III

Tableau

Content

Tableau as a data visualization tool that can be used to construct dashboards, providing working examples demonstrating solutions for effectively presenting results from your big data analysis in a real-time dashboard format.

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About Tableau

Tableau is not free although there are versions free to use and there is a free use period, after which you must pay for the software.

Tableau offers five main products:

- Tableau Desktop
- Tableau Server
- Tableau Online
- Tableau Reader
- Tableau Public

About Tableau

Tableau Public and Tableau Reader are free to use.

Tableau Server and Tableau Desktop come with a 14-day fully functional free trial period.

Tableau is also not considered to be open source.

Tableau is designed to support how you think, utilizing drag and drop to create visualizations of your data and leverage your natural ability to spot visual patterns quickly.

The foundation of Tableau combines a Structured Query Language (SQL) for databases with a descriptive language for rendering graphics, to invent a database visualization language called Visual Query Language (VizQL), making Tableau a unique tool for creating data visualizations.

Tableau and big data

The idea of plotting millions of data points will never result in a data visualization of much value.

Effective profiling and preprocessing of raw big data is an essential (required) step in any big data visualization process.

Tableau can connect directly to local and cloud data sources, as well as import data for fast in-memory processing and visualization creation.

Wrangling

Data wrangling, sometimes referred to as data munging, is the process of transforming and mapping data from one "raw" data form into another format with the intent of making it more appropriate and valuable for a variety of downstream purposes such as analytics

Although there are many options for data profiling, preprocessing, and manipulation, a tool that is popular with many Tableau users is a product named Trifacta, which claims that it is the number-one (data) wrangling solution for Tableau.

Trifacta can be downloaded from: www.trifacta.com.

THE END