1. **What is Tableau?**

Business Intelligence and Analytics Tool. We can visually analyze the data.

1. **What tableau can do?**

* Using this tool we can visually analyze the data stored in different data sources.
* Using this tool we can create interactive and sharable dashboard which posturizes trends, variations, and density of the data in the form of graphs and charts.
* Allows data blending and real-time collaboration, which makes it very unique
* Using tableau we can combine multiple data sources.

1. **Which all data sources tableau can connect to?**

Tableau can connect to Files, Relational data sources, Big Data sources to acquire and process data.

1. **Who uses Tableau?**

It is used by businesses, academic researchers, and many government organizations for visual data analysis.

1. **What are features of Tableau?**
   1. **Speed of Analysis:** As it does not require high level of programming expertise, any user with access to data can start using it to derive value from the data.
   2. **Self-Reliant**: (Not dependent on other software) Tableau does not need a complex 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.
   3. **Visual Discovery:** The user explores and analyzes the data by using visual tools like colors, trend lines, charts, and graphs. There is very little script to be written as nearly everything is done by drag and drop.
   4. **Blend Diverse Data Sets −** Tableau allows you to blend different relational, semi structured and raw data sources in real time, without expensive up-front integration costs. The users don’t need to know the details of how data is stored.
   5. **Architecture Agnostic** − Tableau works in all kinds of devices where data flows. Hence, the user need not worry about specific hardware or software requirements to use Tableau
   6. **Real-Time Collaboration** − Tableau can filter, sort, and discuss data on the fly and embed a live dashboard in portals like SharePoint site or Salesforce. You can save your view of data and allow colleagues to subscribe to your interactive dashboards so they see the very latest data just by refreshing their web browser.
   7. **Centralized Data** − Tableau server provides a centralized location to manage all of the organization’s published data sources. You can delete, change permissions, add tags, and manage schedules in one convenient location. It’s easy to schedule extract refreshes and manage them in the data server. Administrators can centrally define a schedule for extracts on the server for both incremental and full refreshes.
2. **How to Install Tableau?**

<https://www.tutorialspoint.com/tableau/tableau_environment_setup.htm>

1. **Types of products by tableau?**
2. Tableau **professional Desktop**

Help to design reports in the desktop. Which will be personal local copy.

This is enterprise version.

1. Tableau **Online**

Suppose if I wish to share the report to team/ other external teams / customers which I built using tableau desktop we need tableau desktop

Cloud version of tableau server.

Eliminates the infrastructure

License based on per user.

1. Tableau **server**:

Privately managed on premise or service hosted.

License is based on Named user or CPU based.

1. Tableau **Reader**:

Local desktop client to view only. No capability to modify workbook

1. Tableau **Personal Desktop**:

Local client for creating dashboards

No ability to connect to tableau server.

1. Tableau **public**:

Non Commercial Cloud version of the tableau server

All data published is public

Free version

1. **Reference:**

<https://www.tableau.com/support/desktop>

https://onlinehelp.tableau.com/current/desktopdeploy/en-us/desktop\_deploy\_welcome.htm