Q: How to download Tableau desktop professional for students with 1 year free license?

Tableau offers Tableau Desktop for free to students through their Tableau for Students program. Here's a step-by-step guide to downloading and installing Tableau Desktop Professional for free as a student:

Verify Your Eligibility:
Ensure you're eligible for the Tableau for Students program by being enrolled in a full-time or part-time accredited primary or secondary school, college, university, or other recognized educational institution.

Create a Tableau Account or Sign In:
If you don't already have a Tableau account, create one on the Tableau for Students webpage. If you have an account, sign in.

Verify Your Student Status:
You may need to verify your student status Follow the prompts to verify your eligibility.

Access the Tableau for Students Program:
Once your student status is verified, you'll gain access to the Tableau for Students program.

Download Tableau Desktop:
Navigate to the Tableau for Students webpage and locate the download link for Tableau Desktop Professional. Click on the link to start the download.

Install Tableau Desktop:
Once the download is complete, locate the downloaded file and double-click it to start the installation process. Follow the on-screen instructions to install Tableau Desktop Professional on your computer.

Activate Tableau Desktop:

An activation mail will be sent to the registered email id.
After installation, launch Tableau Desktop Professional. You may be prompted to sign in with your Tableau account. Once signed in, Tableau Desktop should be activated and ready to use. **The license key will be sent via email. It might take 2-3 days for the mail with the license to be sent. Till then you can use the 14 days trial version of the Tableau desktop Professional.**

Explore Tableau Desktop:
Take some time to explore Tableau Desktop Professional and familiarize yourself with its features. Tableau offers various resources, tutorials, and training materials to help you get started.

Remember to periodically check Tableau's website for any updates or changes to their student program or software offerings.

Please note that the availability of Tableau Desktop Professional for students may vary based on your location and Tableau's policies, so be sure to check the latest information on their website.

Q. What are the extensions used when a tableau workbook is saved (Tableau desktop professional)?

Tableau Desktop workbooks are typically saved with a ".twb" or ".twbx" extension. Here's what each extension means:

.twb: This is the standard Tableau Workbook file extension. It stands for Tableau Workbook. A .twb file is a text-based XML file that contains references to the data source and the layout and configuration of sheets, dashboards, and visualizations within the workbook. It does not include the actual data itself but rather pointers to the data source(s).

.twbx: This is the Tableau Packaged Workbook file extension. A .twbx file is a packaged workbook that contains the workbook (.twb) along with any external data sources, images, or other files that are used in the workbook. It's a self-contained file that can be easily shared and opened by others without the need for separate data source files. This format is convenient for sharing workbooks externally or when the data source needs to be included with the workbook.

Both .twb and .twbx files can be opened in Tableau Desktop. The choice between them depends on whether you need to package the data source with the workbook for sharing or if you just need to share the workbook file itself.

Q. What are the other Tableau extensions?

In addition to the standard ".twb" and ".twbx" extensions, Tableau Desktop and Tableau Server also use the following extensions for different types of workbooks and related files:

.tds: Tableau Data Source file. This file contains the metadata and connection information for a data source. It does not include the actual data but serves as a reference to the data source. It's often used when you want to share a data connection without the accompanying workbook.

.tdsx: Tableau Packaged Data Source file. Similar to a .twbx file, a .tdsx file is a packaged data source that includes the .tds file along with any additional files needed for the data connection, such as extracts or related files.

.tde: Tableau Data Extract file. This file contains a snapshot of data extracted from a data source for offline or faster performance. It's used when you want to work with a subset of data or when you need to share data with others who may not have access to the original data source.

.hyper: Tableau Hyper file. Starting from Tableau version 10.5, Tableau uses Hyper as its primary data engine. Hyper files are optimized for fast data access and are used for extracts and data sources in Tableau.

.tdsx: Tableau Data Source Extract file. This file format was used in earlier versions of Tableau for packaged data sources similar to .tdsx files. However, .hyper files have largely replaced .tdsx files for Tableau data extracts.

These are the main file extensions associated with Tableau workbooks and related files. Each extension serves a specific purpose in managing and sharing data and workbooks within the Tableau ecosystem.

Q. What are live and extract connection?

In Tableau, connections to data sources can be established in two main ways: live connections and extract connections. Here's an overview of each:

Live Connection:

With a live connection, Tableau queries the data source in real-time each time a user interacts with the workbook (e.g., filtering, sorting).
Data is not stored within the Tableau workbook itself; instead, Tableau connects directly to the data source.
Live connections are ideal when working with data that frequently changes or when real-time access to data is necessary.
Live connections require continuous access to the data source for the workbook to function properly.

Extract Connection:

With an extract connection, Tableau creates a static snapshot of the data from the data source and stores it within the Tableau workbook (in a .hyper or .tde file).
The data extract can be refreshed on-demand to update the data within the workbook, but it doesn't query the live data source each time a user interacts with the workbook.
Extracts are useful for improving performance, especially with large datasets, as they reduce the need for constant querying of the data source.
Extracts provide offline access to data, making workbooks portable and independent of the original data source.
However, extracts require periodic refreshing to ensure that the data remains up-to-date, and they consume more disk space compared to live connections.
Choosing between a live connection and an extract connection depends on factors such as the size and frequency of data updates, performance requirements, network connectivity, and the

need for offline access. Tableau provides flexibility in establishing connections to suit different data scenarios and analytical needs.

Q. What are the different tableau products?

Tableau offers a range of products tailored to various needs within the data analytics and visualization space. Here are some of the main Tableau products:

Tableau Desktop: Tableau Desktop is a powerful data visualization and analytics tool that allows users to create interactive dashboards, visualizations, and reports from various data sources. It is primarily used by analysts and data professionals for data exploration, analysis, and storytelling.

Tableau Server: Tableau Server is an enterprise-level platform that allows organizations to share, collaborate on, and govern Tableau workbooks and data visualizations securely. It provides web-based access to Tableau content and offers features for administration, authentication, scalability, and data governance.

Tableau Online: Tableau Online is a cloud-based version of Tableau Server hosted by Tableau. It offers similar functionality to Tableau Server, including web-based access to Tableau content, collaboration features, and data governance capabilities, but without the need for on-premises infrastructure.

Tableau Public: Tableau Public is a free platform that allows anyone to create and share interactive data visualizations online. It is often used by journalists, bloggers, and data enthusiasts to explore and present data publicly. Visualizations created in Tableau Public are hosted on Tableau's servers and can be embedded in websites and blogs.

Tableau Prep: Tableau Prep is a data preparation tool that allows users to clean, shape, and combine data for analysis in Tableau Desktop or other analytics tools. It provides a visual and interactive interface for performing common data preparation tasks, such as cleaning and transforming data, without writing code.

Tableau Mobile: Tableau Mobile is a mobile app that allows users to view and interact with Tableau dashboards and visualizations on mobile devices, such as smartphones and tablets. It provides a responsive and touch-friendly experience for accessing Tableau content on the go.

These are some of the main Tableau products, each serving different needs and audiences within the realm of data analytics and visualization. Additionally, Tableau offers add-ons, extensions, and integrations with other tools to extend its functionality and capabilities further.

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