

download tableau 2020 a z hands on tableau training for data science

Download Tableau 2020 A-Z Hands-On Tableau Training for Data Science is a highly sought-after resource for those eager to master data visualization and analysis using one of the most powerful tools in the industry. Tableau has become an essential part of any data scientist's toolkit due to its ability to turn raw data into insightful visualizations. In this article, we will explore the process for downloading Tableau 2020, the features that make it an excellent choice for data science, and a hands-on training approach to help you become proficient in Tableau.

Understanding Tableau and Its Importance in Data Science

Tableau is a leading data visualization tool that allows users to create interactive, shareable dashboards. These dashboards can depict trends, variations, and insights drawn from data. The importance of Tableau in data science cannot be overstated:

- User-Friendly Interface: Tableau's drag-and-drop interface makes it accessible to users who may not have a programming background.
- Real-Time Data Analysis: Tableau can connect to various data sources, allowing users to perform real-time analysis.
- Collaboration: Tableau dashboards can be shared easily, promoting collaboration among team members.
- Comprehensive Visualization Options: Tableau offers a wide range of visualization options, allowing users to present data in the most effective way.

Downloading Tableau 2020

To get started with Tableau, the first step is to download the software. Follow the steps below to download Tableau 2020:

Step 1: Visit the Official Tableau Website

- Navigate to the Tableau official website at www.tableau.com.

Step 2: Access the Download Section

- Click on the "Products" tab on the navigation menu.
- Look for "Tableau Desktop" and select it.

Step 3: Choose the Version

- Click on the option to download Tableau Desktop.
- If you are a new user, you may need to register for a free trial or sign up for an account. Look for the “Free Trial” button.

Step 4: Download and Install

- Follow the prompts to download the installation file.
- Once downloaded, open the installation file and follow the on-screen instructions to install Tableau 2020 on your machine.

Getting Started with Hands-On Tableau Training

Once you have downloaded and installed Tableau, it's time to dive into hands-on training. Here's a structured approach to mastering Tableau 2020.

Step 1: Familiarize Yourself with the Interface

- Explore the Workspace: Open Tableau and familiarize yourself with the main workspace, which includes the data pane, shelves, and the view area.
- Understand the Menus: Take note of the different menus available, such as File, Data, Worksheet, and Dashboard.

Step 2: Connect Your Data

- Data Connections: Start by connecting Tableau to a data source. Click on “Connect” in the left-hand pane and choose your data source (Excel, SQL Server, etc.).
- Data Preparation: Once connected, understand how to clean and prepare your data using the Data Source Tab.

Step 3: Create Your First Visualization

- Drag-and-Drop Functionality: Start by dragging fields from the data pane to create your first visualization. Experiment with different types of charts (bar, line, pie, etc.).
- Use Filters: Learn how to apply filters to your data to focus on specific information.

Step 4: Build Dashboards

- Combine Visualizations: Create a dashboard by dragging existing visualizations onto a new dashboard sheet.
- Add Interactivity: Incorporate filters and actions to make your dashboard interactive.

Step 5: Share Your Work

- Export Options: Learn how to export your dashboards as images or PDFs.
- Publish to Tableau Server: Explore options for sharing your dashboards online through Tableau Server or Tableau Public.

Advanced Features of Tableau 2020

As you become more comfortable with the basics, it's essential to explore advanced features that will enhance your data science capabilities.

Calculated Fields

- Creating Calculated Fields: Learn how to create new data fields based on calculations from existing fields. This feature allows for more complex analyses.

Parameters

- Using Parameters: Understand how to create parameters to allow users to change values dynamically within your visualizations.

Data Blending and Joining

- Combining Data Sources: Familiarize yourself with how to blend data from different sources or join tables to enrich your analyses.

Using Tableau Prep

- Data Preparation: Explore Tableau Prep for advanced data preparation tasks. This tool allows you to clean, reshape, and combine data before analysis.

Resources for Further Learning

To further enhance your Tableau skills, consider the following resources:

- Online Courses: Platforms like Coursera, Udemy, and LinkedIn Learning offer comprehensive Tableau courses.
- Tableau Community: Engage with the Tableau community through forums and user groups for support and networking.
- Books and Guides: Look for books such as "Tableau Your Data!" by Daniel G. Murray for in-depth knowledge.

Conclusion

Download Tableau 2020 A-Z Hands-On Tableau Training for Data Science is an excellent investment for anyone looking to elevate their data analysis skills. Through a structured approach to learning, utilizing advanced features, and accessing additional resources, you can harness the power of Tableau to transform your data into compelling stories. Whether you're a beginner or looking to refine your skills, Tableau provides the tools necessary to succeed in the ever-evolving field of data science. Start your journey today and take the first step towards becoming a proficient data storyteller.

Frequently Asked Questions

What is Tableau and why is it important for data science?

Tableau is a powerful data visualization tool used for converting raw data into an understandable format through interactive visualizations. It's important for data science as it helps analysts and data scientists to present data insights effectively, making it easier to communicate findings.

How can I download Tableau 2020 for hands-on training?

You can download Tableau 2020 from the official Tableau website. They offer a free trial version that you can use for hands-on training. Simply navigate to the download section, select the version you need, and follow the installation instructions.

What are the key features of Tableau 2020 for data science applications?

Key features of Tableau 2020 include advanced analytics capabilities, improved data preparation tools, enhanced mapping options, and the ability to connect to various data sources. These features allow data scientists to analyze and visualize complex data sets efficiently.

Is there a specific curriculum for hands-on Tableau training?

Yes, many online platforms provide structured courses for hands-on Tableau training. A typical curriculum may include data connection, creating visualizations, dashboard building, and sharing insights, often supplemented with real-world projects.

What level of prior knowledge is required for the Tableau 2020 training?

While it's helpful to have a basic understanding of data analysis and visualization concepts, Tableau training is designed to accommodate beginners. The hands-on approach allows learners to grasp the tool's functionalities quickly, even without prior experience.

Can I use Tableau 2020 for big data analytics?

Yes, Tableau 2020 is capable of handling big data analytics. It integrates well with big data sources like Hadoop and Amazon Redshift, allowing users to visualize and analyze large datasets effectively.

What types of data sources can Tableau connect to?

Tableau can connect to a wide variety of data sources, including spreadsheets, databases (like SQL Server, MySQL), cloud services (like Google BigQuery, AWS), and big data technologies. This versatility makes it a preferred tool for data scientists.

How does Tableau enhance data storytelling in data science?

Tableau enhances data storytelling by providing intuitive visualizations and dashboards that allow users to present data insights in a compelling way. It helps in illustrating trends, patterns, and anomalies, making it easier for stakeholders to understand complex data narratives.

What resources are available for learning Tableau 2020 effectively?

Resources for learning Tableau 2020 effectively include official Tableau training videos, online courses on platforms like Coursera and Udemy, community forums, and documentation available on the Tableau website. Additionally, hands-on practice using sample datasets is highly recommended.

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