Tableau® Desktop - Part 2

Overview

The advent of cloud computing and storage has ushered in the era of "big data." With the abundance of computational power and storage, organizations and employees with many different roles and responsibilities can benefit from analyzing data to find timely insights and gain competitive advantage. Data-backed visualizations allow anyone to explore, analyze, and report insights and trends from data. Tableau® software is designed for this purpose. Tableau was built to connect to a wide range of data sources, and allows users to quickly create visualizations of connected data to gain insights, show trends, and create reports. Beyond the fundamental capabilities of creating data driven visualizations, Tableau allows users to manipulate data with calculations to show insights, make visualizations interactive, and perform statistical analysis. This gives users the ability to create and share data driven insights with peers, executives and clients.

Prerequisite Comments

To ensure your success in this course you should have experience with importing data and creating data visualizations in Tableau. You can obtain this level of skills and knowledge by taking the following course:
Tableau® Desktop: Part 1
Optionally, having experience with other data analytics tools, such as Google Analytics™ or Customer Relationship Management (CRM) tools, as well as an understanding of database design concepts or a background in statistical analysis, will help you get even more out of Tableau. The following courses are helpful but not required:
Google Analytics™: Foundation (Second Edition)
Database Design: A Modern Approach
Microsoft® Office Excel® 2016: Dashboards

Target Audience

This course is designed for professionals in a variety of job roles who are currently using Tableau to perform numerical or general data analysis, visualization, and reporting, who now need to provide data visualizations from multiple data sources, or combine data to show comparisons, manipulate data through calculations, create interactive visualizations, or create visualizations that showcase insights from statistical analysis.
This course is also designed for students who plan to obtain Tableau® Desktop Qualified Associate certification, which requires candidates to pass the Desktop Qualified Associate exam.

Course Objectives

In this course, you will perform advanced data visualization and data blending with Tableau. You will:
Blend data to visualize relationships
Join data
Access data in PDFs
Refine visualizations with sets and parameters
Manipulate data with calculations
Visualize data with advanced calculations
Perform statistical analysis and forecasting
Enrich visualizations, dashboards, and maps.

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Course Outline

1 - Blending Data to Visualize Relationships

Blend Data
Troubleshoot and Refine Data Blends

2 - Joining Data

Create Joins
Troubleshoot Joins
Union Data

3 - Accessing Data in PDFs

Connect to PDFs
Clean and Organize PDF Data

4 - Refining Visualizations with Sets and Parameters

Create Sets
Analyze Data with Sets
Apply Parameters to Data to Refine Visualizations

5 - Manipulating Data with Calculations

Create Calculated Fields
Manipulate Data with Functions
Analyze Data with Table Calculations

6 - Visualizing Data with Advanced Calculations

Create Groups and Bins with Calculations
Analyze Data with LOD Expressions

7 - Performing Statistical Analysis and Forecasting

Perform Statistical Analysis
Forecast Data Trends

8 - Enriching Visualizations, Dashboards, and Maps

Customize Mapped Data
Enhance Visualizations with Tooltips
Enhance Dashboards with Actions

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