



Introduction to Tableau

Course ISI-1470 2 Days Instructor-led, Hands-on

Course Description

In the professional world, turning massive amounts of data into something that can be seen and understood is vitally important. This is where Tableau steps in. It has emerged as a clear leader in data visualization because it translates your actions into a database query and expresses the response graphically.

Move from simple to complex visualizations and learn how to combine them in interactive dashboards. Tableau has the unique ability to do ad hoc analysis of millions of rows of data in just a matter of seconds with Tableau's Data Engine, enabling you to dive deep into answering complex questions about your data.

This two day, instructor-led course is designed for the beginner to intermediate-level Tableau user. This course will equip you with the foundational concepts that will help you use Tableau to explore, analyze, visualize and share the stories contained in your data.

Course Objectives

After completing this course, students will be able to:

- Explore and analyze your data by creating basic and advanced data visualizations
- Fix data problems, enhance your analysis, and create rich interactivity using custom calculations
- Perform effective analysis by joining and blending data from different sources
- Enhance your visualizations with custom formatting, labels, and annotations
- Explore advanced topics such as sheet swapping, custom maps, and LOD calculations
- Create meaningful dashboards in Tableau
- Extend the value and functionality of your data
- Share your data story using story points and fully interactive dashboards

Prerequisites

Before attending this course, students should have experience using Microsoft Excel. While it is assumed that you have some knowledge of data, you do not need to have in-depth knowledge of databases, SQL scripts or coding

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Course Outline

Module 1: Data Connections and Preparation

- Connecting to an Excel data source
- Data interpreter
- Data preparation (splits)
- Data extracts
- Filtered extracts
- Joins
- Cross database joins
- Combined fields
- Replace references
- Data blending
- Meta data tips
- MS Access

Module 2: Visualization Basics

- Tabular to visual
- Sub-totals and totals
- Formatting
- Annotations
- Tooltips
- Show me
- Filled maps
- Symbol maps
- Sorting I
- Sorting II
- Basic filtering
- Filter shelf
- Filtering measures
- Discrete time series data
- Discrete time ranking
- Time continuous
- Data filtering continuous
- Scatter plot
- Dashboard preparation
- First dashboard

Module 3: Intermediate

- Combination charts
- Reference charts
- Custom territories
- Basic sets
- Calculations
- Date calculations
- Quick table calculations
- Parameters I
- Parameters II

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- Changing data roles
- Clusters

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