



Tableau Data Discovery

Course description

Tableau certification master program will let you gain proficiency in Tableau desktop and server. You will work on real world projects in Tableau desktop, server tools, dashboard, web interface, R connectivity, publishing, data aggregation and blending.

Tableau Data Discovery online training curriculum

Introduction

- Why Tableau?
- Why Visualization?
- Introduction to different Tableau components
- Tableau data processing engine and how it internally works
- Installing Tableau Desktop

Connecting to Data

- Creating a Data Connection
- Understanding Live and Extract connection
- Dimensions and Measures
- Using Show Me!
- Tour of Shelves
- Building Basic Views
- Saving a Data Source, Sharing a Data Source on the server
- Saving and sharing your work
- Understanding Changes to Data
- Other Data Connection Options in Tableau

Working with Single Data Sources

- Desktop Data Architecture
- Using Data Extracts
- Custom SQL Data Connection

Using Multiple Data Sources

- All about Joins
- Using Data Blending

Organizing your Data

- Using Groups
- Creating and Using Hierarchies
- Creating a Combined Field
- Using Sets

Using Multiple Measures on the Same Axis

- Comparing Views with Multiple Measures
- Using Measure Values and Measure Names
- Combo Charts
- Combined or Shared Axis Charts
- Creating Dual Axis Charts

Using Parameters for Dynamic Values

- Customizing your Data
- Calculation Types
- Creating Calculated Fields
- Using Logic Statements
- Type Conversions and Date Calculations
- Using Quick Table Calculations
- Calculations and Aggregations

Slicing your Data by Date

- Working with Dates
- Using Discrete Date Parts
- Creating Date Filters
- Defining a Fiscal Year
- Creating Custom Dates

Data Sources, Extracts, Schedules, and Subscriptions

- Creating, Publishing, and Connecting to a Data Source
- Data Engine and File Store
- Creating and Publishing Extracts
- Backgrounder
- Schedules
- Subscriptions

Data Security

- Controlling What Users Can See
- User Filters

Viewing Distributions

- Bins and Histograms

Using Calculations in Tableau

- Creating and Editing Calculated Fields
- Calculations Performed on the Database
- Calculations and Aggregations
- Aggregating Dimensions in Calculations
- Record Level Calculations for Date Conversion

Advanced Table Calculations

- Table Calculation Scope and Direction
- Null Values in Table Calculations
- Table Calculations for Statistical Analysis

Creating and Using Parameters

- Using Parameters and Reference Lines
- Using Parameters with Filters

Comparing Measures Against a Goal

- Showing Total Progress toward a Goal (Bar in Bar Graph)
- Showing Staged Progress toward a Goal (Bullet Graph)
- Showing the Biggest and the Smallest Values

Tableau Geo-coding

- How Tableau Performs Automatic Geo-coding of Data?
- Modifying Geo-code Locations within Tableau
- Custom Geo-coding

Advanced Mapping

- Dual Axis Maps
- Mapping Paths
- Using Background Images for Spatial Analysis

Showing Distributions of Data

- Creating a Pareto Chart
- Box and Whisker Plots
- Reference Distributions

Statistics and Forecasting

- Trend Lines
- Forecasting

Dashboards: Quick Filters, Actions, and Parameters

- Comparing Quick Filters, Actions, and Parameters
- Highlight Actions
- Filter Actions
- URL Actions

Dashboard Best Practices

- Sizing
- Using Instructions
- Dashboard Formatting

Overview of Additional Visualizations

- Gantt bar Chart
- Spark-line

- Waterfall Charts
- Pie Charts and Parts of the Whole
- Creating Tree Map

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