

Tableau Desktop

Introduction

- ★ What is Visualization?
- ★ What Is Dashboard?
- ★ Why Tableau?
- ★ Tableau Desktop, Server and the Tableau Product Line
- ★ Application Terminology
- ★ Visual Cues for Fields
- ★ Tableau Installation

- ★ Connecting to Oracle, SQL Server, Google Analytics, Different RDBMS Databases
- ★ Connecting to Big Databases like HDFS,
- ★ Calling Stored Procedure in Tableau
- ★ Join Types
- ★ Custom SQLs

Connecting to Data

- ★ Connecting to data – Basics
- ★ Editing Data connections and data sources
- ★ Editing Metadata and saving data sources
- ★ Joins in Tableau
- ★ Data Source level Filters
- ★ Connecting to Databases

Connection Types

- ★ Live Connection Vs Data Extracts
- ★ Creating Extracts
- ★ Using and Refreshing Extracts
- ★ Incremental Refresh
- ★ Creating Basic Visualizations
- ★ Getting Started in Tableau Desktop
- ★ Elements of Visualization
- ★ Understanding of Dimensions & Measures

Basic Graphs

- ★ Bar Chart
- ★ Stacked Bar Chart
- ★ Line Chart
- ★ Area Chart
- ★ Pie Chart
- ★ Pie Chart
- ★ Filled Maps
- ★ Symbol Maps
- ★ Scatter Plots
- ★ Trend Line
- ★ Bullet Chart
- ★ Part to Whole Chart

- ★ Tree Map
- ★ Word cloud
- ★ Bubble Chart
- ★ Discrete Line Charts
- ★ Discrete Area Charts
- ★ Highlight Table
- ★ Heat Map
- ★ Cross Tabs
- ★ Normal Tables
- ★ Grand Totals, Sub-totals and Changing Aggregatio

Dual Axis Graphs

- ★ Dual line chart
- ★ Side by side bar chart
- ★ Donut Chart
- ★ Map and Pie Chart
- ★ Measure Name & Measure Values
- ★ Multi-line chart
- ★ Combo Charts
- ★ Map and Donut Chart
- ★ Bar in Bar Chart
- ★ Bar & Circle Chart
- ★ Highlight table with Multiple Measures

Simplifying and Sorting Your Data

Data Filtering

- ★ Local Filters
- ★ Global Filters
- ★ Data Source Level Filters
- ★ Context Filters

Sorting

- ★ Sorting Single Dimension Graphs
- ★ Sorting Multi Dimension Graphs
- ★ Sorting by Different Measures

Organizing your Data

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

Slicing your Data by Date

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

Data Blending

- ★ What is Data Blending?
- ★ Data Blending on Multiple columns
- ★ Sorting in the context of nested groups
- ★ Hide/show objects/visualizations based on parameter selection

Calculations and Statistics

- ★ Edit in Shelf
- ★ Introduction to Calculations
- ★ Statistical Calculations
- ★ Calculation Types
- ★ Creating Calculated Fields
- ★ Using Logic Statements
- ★ Type Conversions and Date Calculations
- ★ Using Quick Table Calculations
- ★ Analytics Menu (Trend line, Forecast, Cluster, etc.)
- ★ Calculations and Aggregations
- ★ Conditional Formatting
- ★ Level of Details Expressions
- ★ Use of LoD functions – Fixed, Include & Exclude

Advance Topics

- ★ Advance Chart Types
- ★ Histogram
- ★ Box plot
- ★ Waterfall Charts
- ★ Funnel Charts
- ★ Pareto Charts
- ★ Control Charts
- ★ Motion Charts

Using Parameters for Dynamic Values

- ★ What if Analysis using parameters
- ★ Parameters as Column Selectors
- ★ Dynamic Reference lines using Parameters
- ★ Dynamic Top N values using Parameters
- ★ Graph selector using Parameters

Mapping Data Geographically

- ★ Mapping in Tableau
- ★ Mapbox Integration

Dashboard Creation

- ★ Creating Dashboards
- ★ Actions in Tableau
- ★ Navigation Buttons
- ★ Dashboard Formatting
- ★ Bringing Images, web pages in Tableau
- ★ Usage of Containers
- ★ Best Practices in Dashboard Designing

Sharing Your Work

- ★ Export to an Image File
- ★ Exporting the Data Only
- ★ Other Sharing Options
- ★ Integrating Dashboard to Other Portals
- ★ Publishing Dashboards on Tableau Public
- ★ Integrating Javascript

Story Telling

- ★ Why Storytelling?
- ★ How to Create Story Board
