

Data Intelligence using Tableau Fundamental & Advance

Duration- 2 Days

Course topics Highlights in 1 minute

- 50+ visualization charts would be covered
- 7 Products of Tableau would be trained here
- 50% of Time would be saved Annually if they are migrating from Excel to Tableau
- This training will minimize usage of Excel, PowerPoint and Outlook 20%
- Append 100+ Excel Files, Tables, sheets in just 7 button clicks
- 70% of training would be using only button clicks

Audience

Tableau Fundamentals & Advance serves the beginner to intermediate Tableau user, targeted towards anyone who works with data – regardless of technical or analytical background. This course helps you implement important concepts, techniques & admin activities in Tableau. Move from simple to complex visualizations and combine them in interactive dashboards.

Prerequisites: Excel Pivot Table should be known.

Duration: 16 Hours

Course type: Classroom Sessions with Hands on Experience

Course Outline

Introduction

- + What is Descriptive Analytics
- + What is Visualization?
- + What Is Dashboard?
- + Why Tableau?
- + Comparison of Tableau with other tools
- + Limitations of Tableau
- + Tableau Desktop, Server and the Tableau Product Line
- + Application Terminology
- + Visual Cues for Fields
- + Tableau Installation

Connecting to Data

+ Connecting to files

- + 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

- + Connecting to Oracle, SQL Server, Google Analytics, Different RDBMS Databases
- + Join Types
- + Custom SQLs (If time permits)

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
 - + Filled Maps
 - + Symbol Maps
 - + Scatter Plots
 - + Trend Line
 - + 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 Aggregation
- + Dual Axis Graphs
 - + Dual line chart
 - + Side by side bar chart
 - + Map and Pie Chart
 - + Map and Donut Chart
 - + Bar in Bar Chart
 - + Bar & Circle Chart
- + Measure Name & Measure Values



- + Multi-line chart
- + Combo Charts
- + 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
 - + Static Groups vs. Dynamic 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 and Joins

- +What is Join
- + Different types of Joins
- + Challenges in Joins
- +What is Data Blending?
- + Data Blending on Multiple columns

File Types in Tableau

- + TWB vs TWBX, TDE

+ Connection Types

- + Live Connection Vs Data Extracts
- + Creating Extracts
 - + Using and Refreshing Extracts

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

Advance Chart Types

- + Histogram
- + Box plot
- + Waterfall Charts
- + Funnel Charts
- + Pareto 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

Mapping Data Geographically

- + Mapping in Tableau
- + Mapbox Integration

Sharing Your Work

- + Export to an Image File
- + Exporting the Data Only



+ Publishing Dashboards on Tableau Public

Dashboard Best Practices

- + Sizing
- + Dashboard Designing
- + Finalizing KPIs
- + Dashboard Formatting
- + Working with Big Data
- + Working in Shared Environment
- + Parallel Development & Integration
- + Data Visualization Best Practices
- + Making Efficient Dashboard

Analytics using Tableau

- + Forecasting
- + Clustering
- + Trendlines
- + Boxplot
- + Reference band and lines

Story Telling

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