

# Tableau Course Content

## 1. > Introduction to Data Visualization with Tableau

**Learning Objectives** - In this module, you will learn about Data Visualization and Introduction to Tableau.

**Topics** - Why is Data Visualization needed, How to make sense out of numbers, Uses of Tableau, Installation, Architecture, and Features of Tableau.

## 2. > Basic Visualization Design

**Learning Objectives** - In this module, you will learn to connect to the databases and make basic charts and graphs.

**Topics** - Exporting Data, Connecting Sheets, Loading into Tableau visualization engine. Making sense out of the basic visualizations like Text Tables, Bar, Line, Pie charts, basic maps and interpreting the same.

## 3. > Visualizations Deep Dive

**Learning Objectives** - In this module, you will learn to make Advance Charts and Graphs.

**Topics** – Highlight Tables, Heat Maps, Circle Plots, Side by Side Bars, Dual Charts, Area Charts, Tree Maps.

## 4. > Data Organization

**Learning Objectives** - In this module, you will learn to organize data for effective results.

**Topics** - Calculated Metrics, Sorting, Filtering, Totals and Sub Totals, Various Aggregated Measures, Percentages, Date and time functions, String Functions and logical functions, Data Items, Hierarchies, Sets, Groups, Bins

## 5. > Playing with Time Dimension

**Learning Objectives** - In this module, you will learn to create Time based calculations.

**Topics** - Table Calculations, Moving Averages, Running totals, Window Averages.

## 6. > Incremental Loading and Blending

**Learning Objectives** - In this module, you will learn how to blend and arrange your data from multiple source systems for effective analysis.

**Topics** - Data Blending from multiple source systems, Custom SQL Queries, Creating Incremental Loads, Creating File Extractions, Parameters.

## 7. > Macros in tableau

**Topics** – Parameters, Global Parameters.

## 8. > Sharing Insights with Enterprise Dashboards

**Learning Objectives** - In this module, you will learn how to create dashboards. Understand the requirement and creating various dashboards, story boards, deploying your dashboards for the project.

**Topics** – Creating Dashboards and Deployment to Server