

## Data Visualization & Dashboard Reporting with Tableau

Learn Data Visualization skills with the most Powerful tool in this Tableau online Live course

Tableau is a powerful and fastest growing data visualization tool used in the Business Intelligence Industry. It helps in simplifying raw data into the very easily understandable format.

Data analysis is very fast with Tableau and the visualizations created are in the form of dashboards and worksheets. The data that is created using Tableau can be understood by professional at any level in an organization. It even allows a non-technical user to create a customized dashboard.

- > Data Blending
- > Real time analysis
- > Collaboration of data

### **Who Should do this course?**

Data Scientists/ Business Analysts/ Graduates from various disciplines who want to create visually appealing dynamic reports for performance tracking, etc or get a job in Data Visualization field

### **Getting Started**

What is Tableau? What does the Tableau product suite comprise of? How Does Tableau Work?  
Tableau Architecture  
What is My Tableau Repository?  
Connecting to Data & Introduction to data source concepts  
Understanding the Tableau workspace  
Dimensions and Measures  
Data Types & Default Properties  
Tour of Shelves & Marks Card  
Using Show Me!  
Building basic views  
Saving and Sharing your work-overview

### **Basic Report**

- Date Aggregations and Date parts
- Cross tab & Tabular charts
- Totals & Subtotals
- Bar Charts & Stacked Bars
- Line Graphs with Date & Without Date
- Tree maps
- Scatter Plots
- Individual Axes, Blended Axes, Dual Axes & Combination chart
- Edit axis
- Parts of Views
- Sorting
- Trend lines
- Reference Lines
- Forecasting
- Filters
- Context filters
- Sets
  - In/Out Sets
  - Combined Sets
- Grouping
- Bins/Histograms
- Drilling up/down – drill through
  - Hierarchies
  - View data
  - Actions (across sheets)

## Report - Advanced

- Explain latitude and longitude
- Default location/Edit locations
- Symbol Map & Filled Map
- Custom Geo Coding

## [Calculation Fun]

- Working with aggregate versus disaggregate data
- Explain - #Number of Rows
- Basic Functions (String, Date, Numbers etc)
- Usage of Logical conditions

## [Calculation Fun]

Scope and Direction  
Percent of Total, Running / Cumulative calculations/ Contribution

## [Parameters ]

Create What-If analysis  
Using Parameters in  
Calculated fields  
Bins  
Reference Lines  
Filters/Sets  
Display Options (Dynamic Dimension/Measure Selection)

## [Dashboard ]

Combining multiple visualizations into a dashboard (overview)  
Making your worksheet interactive by using actions  
Filter  
URL  
Highlight

## [Formatting]

Options in Formatting your Visualization  
Working with Labels and Annotations  
Effective Use of Titles and Captions

## [Data Handler]

Multiple Table Join  
Data Blending  
Difference between joining and blending data, and when we should do each  
Working with the Data Engine / Extracts  
Working with Custom SQL

Toggle between to Direct Connection and Extracts

## [Server Online]

Publishing to Tableau Server – Overview of publishing

Server Administration - Managing Users, Projects & Object level and Data Security as per Users

User Filters