

TABLEAU COURSE CONTENT

Introduction to Tableau:

Tableau is one of the rapidly evolving Business Intelligence (BI) and data visualization tool. It is very expeditious to deploy, easy to learn and very instinctual to use for a customer. It has evolved into one of the rapid and easiest way to share analytics in the cloud. **TABLEAU 10.2.1** is the latest version released on April 5, 2017 with advanced features, when connected to hive data sources; calculations containing the DATE_TRUNC function generated incorrect queries that would return unexpected results.

Tableau is divided in Three Major categories in the Industry level:

I. Tableau Desktop:

Tableau desktop analytics that anyone can use and that work the way you think Get actionable insights fast: Leave chart builders behind. Live visual analytics fuel unlimited data exploration. Interactive dashboards help you uncover hidden insights on the fly. Tableau harnesses people's natural ability to spot visual patterns in a very quick way, revealing everyday opportunities and wonder moments alike.

II. Tableau Server :

Tableau server analytics is useful for organizations, we can access interactive insight from anywhere with tableau server. Multiply your data's potential Increase the value of your data across your firm with Tableau Server. Delegate your business with the freedom to explore data in a consign environment—without limiting them to pre-expound questions, wizards, or chart types. And have the peace of mind that your data is control and secure.

III. Tableau Online :

Tableau online is a Self-service analytics in the cloud, with the help of Tableau Online we can share and collaborate in the cloud Tableau Online is your analytics platform fully hosted in the cloud. Publish dashboards and share your inventions with anyone. Invite colleagues or customers to explore concealed opportunities with responsive visualizations and precise data. All easily accessible from a browser or on the mobile apps.

- 1. Introduction and Overview
 - Why Tableau? Why Visualization?
 - Level Setting – Terminology
 - Getting Started – creating some powerful visualizations quickly
 - The Tableau Product Line
 - Things you should know about Tableau
- 2. Getting Started
 - Connecting to Data and introduction to data source concept

- Working with data files versus database server
- Understanding the Tableau workspace
- Dimensions and Measures
- Using Show Me!
- Tour of Shelves (How shelves and marks work)
- Building Basic Views
- Help Menu and Samples
- Saving and sharing your work
- 3. Analysis
 - Creating Views
 - Marks
 - Size and Transparency
 - Highlighting
 - Working with Dates
 - Date aggregations and date parts
 - Discrete versus Continuous
 - Dual Axis / Multiple Measures
 - Combo Charts with different mark types
 - Geographic Map Page Trails
 - Heat Map
 - Density Chart
 - Scatter Plots
 - Pie Charts and Bar Charts
 - Small Multiples
 - Working with aggregate versus disaggregate data
 - Analyzing
 - Sorting & Grouping
 - Aliases
 - Filtering and Quick Filters
 - Cross-Tabs (Pivot Tables)
 - Totals and Subtotals Drilling and Drill Through
 - Aggregation and Disaggregation
 - Percent of Total

- Working with Statistics and Trend lines
- 4. Getting Started with Calculated Fields
 - Working with String Functions
 - Basic Arithmetic Calculations
 - Date Math
 - Working with Totals
 - Custom Aggregations
 - Logic Statements
- 5. Formatting
 - Options in Formatting your Visualization
 - Working with Labels and Annotations
 - Effective Use of Titles and Captions
 - Introduction to Visual Best Practices
- 6. Building Interactive Dashboard
 - Combining multiple visualizations into a dashboard
 - Making your worksheet interactive by using actions and filters
 - An Introduction to Best Practices in Visualization
- 7. Sharing Workbooks
 - Publish to Reader
 - Packaged Workbooks
 - Publish to Office
 - Publish to PDF
 - Publish to Tableau Server and Sharing over the Web