

## Tableau Course Content

### Course Description:

Tableau is a powerful data visual analyzing tool that provides effective pictorial and graphical representations of data to deliver with unique data visibility. It is the most advanced tool used for effective data visualization and data analytics in the business intelligence industry. It helps to create and distribute an interactive and shareable dashboard, which depicts the density of data, trends, and variations in the form of charts and graphs. Tableau is the best data visual analyzing tool in Business Intelligence technology. Unique features like data blending, a collaboration of the data and real-time analysis make Tableau software use in Business, Government organizations and IT platforms. Top MNC's hiring Tableau developers, data analysts, data scientists and consultants as the demand for Tableau is high in the data visualization and business intelligence market.

Hachion's Tableau online course is well designed by professional experts with advanced concepts. Qualitative content and expert training help you to gain in-depth knowledge of the tool. Even beginners can also learn this course very easily as the curriculum is prepared in a step by step procedure. Tableau is very easy to learn and user friendly. Freshers who want to build a career in Business Intelligence and Data Analysis may choose the Tableau career path because there are diverse numerous job opportunities with great pay.

### Course Content:

#### Introduction to Business Intelligence & Tableau

- Knowledge on Business Intelligence (BI) platform
- Tableau Architecture

#### Field Types and Visual Cues

- Tableau Desktop
- Scenario
- Objectives
- Application Terminology and Definitions
- Opening and Closing Tableau
- Data Source Page
- Tableau Workspace
- Files and Folders
- Getting Started with Tableau
- View Terminology and Definitions
- View Sections
- Data Terminology and Definitions
- Data Types
- Data Roles: Dimension vs. Measure
- Data Roles: Continuous vs. Discrete

- Changing Data Roles
- Visual Cues for Fields
- Visual Cues for Fields in the Data Pane
- Visual Cues for Fields in the Rows or Column Shelves

### **Data Connection in Tableau Interface**

- Connecting to Tableau Data Server
- What is a Join
- Types of Joins
- When to Use Joins
- Enabling Right Outer Join
- Right Outer Join and Custom SQL Enabled
- What is Data Blending
- When to Use Data Blending
- Data Blending in Tableau
- Differences Between Joining and Blending
- Joining vs. Blending
- Writing Custom SQL
- Prepare your Data for Analysis

### **Tableau Generated Fields**

- Using measure values and measure names
- Using multiple measures in a view
- Using the number of records measure
- Using latitude and longitude fields

### **Geographical Mapping Features**

- Mapping
- Objectives
- Modifying locations within Tableau
- Custom Geocoding
- Importing and modifying custom Geocoding
- Working with Symbol Map and Filled Map
- Using background image
- Exploring Geographic search
- Perform Pan Zoom Lasso and Radial selection
- Working with WMS Server Maps

### **Organizing and Simplifying Data**

- Objectives
- Filtering Data
- What is a Filter?

- Applying a Filter to a View
- Filtering on Dimensions
- Filtering on Dimensions Functions
- Aggregating Measures
- Filtering on Measures
- Filtering on Dates
- Quick Filters
- Sorting of Data
- What is Sorting
- Sorting Data in Tableau
- Types of Sorting
- Creating Combined Fields
- Combined Fields
- Creating Groups and Defining Aliases
- What is a Group
- What are Aliases
- Defining an Alias
- Working with Sets and Combined Sets
- Sets
- Combined Sets
- Working with Groups and Sets
- Drill to Other Levels in a Hierarchy
- Grand totals and Subtotals
- Adding Totals
- Adding Totals
- How to Define Aggregations
- Changing Aggregation Function
- Tableau Bins
- Bins Types
- Fixed Sized Bins
- Variable Sized Bins

## **Formatting and Annotations**

- Formatting and Annotations
- Adding Caption to Views
- Click Interaction Adding Title to View
- Click Interaction2 Adding Captions to View
- Using Titles Captions and Tool tips
- Adding Tooltips to Views
- Using Title Caption and Tooltip
- Formatting the Axes

- Edit Axis Option
- Formatting Views with Labels and Annotations
- Format Window
- Format Mark Labels
- Annotations
- Format Manipulations

### **Special Field Types**

- Special Field Types
- Date Hierarchies
- Drilling in the Time Hierarchy
- Pivoting Date Parts on Shelves
- Differentiate Between Discrete and Continuous Dates
- Using Continuous Dates
- Using Discrete Dates
- Working with Discrete and Continuous dates
- What are Custom Dates
- Creating and Using Custom Dates
- Fiscal Year
- Define a Date Field on a Fiscal Year
- Relative Date Filters
- Importing Date Dimensions in Tableau from a Cube
- Work with Date Hierarchies on Cubes
- Dates in Cube (Multidimensional) Data Sources
- Dates in Cubes Vs. Relational Data Sources

### **Chart Types - Data Visualization**

- Chart Types
- Working with Combined Axis
- Working with Combination Charts
- Understanding Geocoding and Geographic Mapping in tableau
- Combined Axis Graph and Scatter Plot
- Describe text and highlight tables
- Work with Pages Shelf and Create Motion Charts
- Heat Maps
- Using Bins and Histograms
- Using Histograms
- Using Pie Charts
- Compare Measures Using Bullet Charts
- Using Bar in Bar Charts
- Creating Pareto Charts

- Using Waterfall Charts
- Using Gantt Charts
- Working with box plots
- Using Sparkline Charts
- Define Advanced Chart Types

### **Logical Formulas-Calculations Part**

- Calculations
- Objectives
- Strings Date Logical and Arithmetic Calculation
- Working with Strings Date Logical and Arithmetic Calculations
- Using Strings Date Logical and Arithmetic Calculations
- Working with Arithmetic Calculations
- Aggregation Options
- Working with Aggregation Options
- Grand Totals and Sub-Totals
- Quick Table Calculations
- Creating Quick Table Calculations
- Working with Quick Table Calculations
- Automatic and Custom Split
- Ad-hoc Analytics
- LOD Calculations

### **Creating and using Parameter**

- Creating and using Parameters
- Objectives
- What is a Parameter
- Creating a Parameter
- Exploring Parameter Controls
- Work with Parameters
- Click Interaction Working with Parameters
- Analytics-Statistics
- Statistics
- Objectives
- Add Reference Lines Bands and Distribution
- Adding Reference Lines
- Adding Reference Bands
- Adding Reference Distribution
- Working Reference Lines Bands and Forecasting
- Trend lines and Trend Models
- Understanding Trend Lines

- Enabling Trend lines
- Click Interaction Understanding Trend Models
- Working with Describe Trend Model Window
- Working with Trend Lines
- Statistical Summary Card
- Perform Drag and Drop Analytics
- Explore Instant Analysis
- Forecasting

### **Dashboards Designing**

- Dashboards
- Objectives
- Build Interactive Dashboards
- What is a Dashboard
- Building Dashboards
- Best practices for creating effective dashboards
- Comprehending Best Practices
- Creating a Dashboard and Importing Sheets
- Interaction Exploring Dashboard Actions
- Use of Running Actions
- Using Dashboard Actions
- Sharing your Work
- How to Share your Reports
- Exporting your Work

### **Case Study**

- Resume preparation
- Mock interviews
- Tableau 10 & 2019 new features

### **Additional Benefits**

- Course Material
- Sample resumes and Fine tuning of Resume
- Interview Questions
- Mock Interviews by Real time Consultants
- Job Assistance