

## TABLEAU COURSE CONTENT

### Introduction

- ❖ Course Introduction

### 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

- ❖ Data Connections in the Tableau
- ❖ Connecting to Tableau Data Server
- ❖ What is a Join
- ❖ Types of Joins
- ❖ When to Use Joining
- ❖ 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

### 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
- ❖ Fixed Sized Bins
- ❖ Variable Sized Bins

### Formatting and Annotations

- ❖ Custom Geocoding
- ❖ 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

- ❖ 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

---

### IT TRAINING & SERVICES

Regd. Office # 207, II floor, HUDA Maithrivanam, Ameerpet, Hyderabad 500 038.

Ph # +91 40 40310000, 23743392.

E-mail: [enq@peerstech.com](mailto:enq@peerstech.com) URL: [www.peerstech.com](http://www.peerstech.com)

- ❖ 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

### 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

### 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
- ❖ Define Advanced Chart Types
- ❖ Using Pareto Charts
- ❖ Creating Pareto Charts
- ❖ Using Waterfall Charts
- ❖ Using Gantt Charts
- ❖ Working with box plots
- ❖ Using Spark line Charts

### 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 Parameters

- ❖ Objectives
- ❖ What is a Parameter
- ❖ Creating a Parameter
- ❖ Exploring Parameter Controls
- ❖ Work with Parameters
- ❖ Click Interaction Working with Parameters

### Mapping

- ❖ Objectives
- ❖ Modifying Locations within Tableau
- ❖ 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

### 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

- ❖ 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

- ❖ Project
- ❖ Resume preparation

---

## IT TRAINING & SERVICES

Regd. Office # 207, II floor, HUDA Maithrivanam, Ameerpet, Hyderabad 500 038.

Ph # +91 40 40310000, 23743392.

E-mail: [enq@peerstech.com](mailto:enq@peerstech.com) URL: [www.peerstech.com](http://www.peerstech.com)