



TABLEAU

Visual Analytical Platform

SYLLABUS/ COURSE CONTENT
TIME DURATION: 4 MONTHS

❖ **Tableau Introduction**

- Why Tableau
- History of Tableau
- Characteristics of Tableau
- Tableau versions.
- Versions of tableau.
- Tableau Architecture and components.

❖ **Tableau Components**

- What is Tableau Desktop, Server
- What is Tableau Reader
- What is Tableau Online
- What is Tableau Public?

❖ **Tableau Extensions**

- Types of Extensions
- **When** to use Tableau Extensions
- Differences between. Twb and .Twbx extensions

❖ **Data Connection in Tableau Interface**

- Types of Data Connections in Tableau
- Connect to Live Data connection
- Connect to Extract Data connection in Tableau
- Creation of Extract file in Tableau

❖ **Data Joins in Tableau**

- What is Joins
- Types of Joins
- When to use Joining
- Rules to perform the Joins in tableau.
- What is Custom SQL?
- Custom SQL Enabled Custom SQL.
- Writing
- Data Refresh

❖ **Data Blending in Tableau**

- What is Data Blending
- Types of Data Blending
- When to use Data Blending
- Rules to perform the Joins in tableau
- Join vs. Data Blending

❖ **Graphs/Charts/Bars**

- Line Graphs

- Single Line graphs
- Dual Line Graphs
- Blended Axis
- Difference between Dual axis and Blended axis
- Horizontal Bar Charts
- Vertical Bar charts
- Side-Side by bar charts
- Stacked Bar charts
- Pie Charts
- Gantt Charts

❖ **Maps**

- What is Tree Maps
- Heat Maps
- Tree map implementation
- Filed Maps
- What is Geo-Coding and implementation
- Importing External Custom Geo coding
- Symbol Maps

❖ **Hierarchy in Tableau**

- What is a Hierarchy?
- Relation between Drill downs, Roll ups and Hierarchies.
- What are Automatic Hierarchies?
- How to create Custom Hierarchy in Tableau?
- Removing Hierarchy

❖ **Aggregation and Disaggregation**

- What is Aggregation
- When to use Aggregation
- What is Disaggregation
- When to use Disaggregation.

❖ **Filters and Types**

- What is Filters
- Filters on Dimensions
- What is Wild Card
- Filters on Measures
- Context Filters
- Global Filters
- Quick Filters
- Defining Filters at Source
- Defining Filters at Custom SQL

❖ **Groups and Sets**

- What is Group
- When to use Group

- Editing Existing Group
- Limitation of groups
- What is Set
- When to Use Sets
- Types of Sets

❖ **Calculated Fields**

- What is Tableau Calculation
- When to use INDEX (),RANK (),LAST(),FIRST() Functions
- RUNNING_SUM Calculations
- WINDOW_SUM Calculations
- String Calculations
- Boolean Calculations
- DATE Calculations.

❖ **Creating and Using Parameters**

- What is Parameter
- Creating Parameter
- Exploring Parameter Controls
- Work with the parameter
- Click interaction working with parameter
- Parameters and use with real time examples
- Dynamically Show and Hide Sheets with Parameter

❖ **Trend Analysis**

- What is Trend Analysis
- Logarithmic Model
- Exponential Model
- Linear Model
- Polynomial Model

❖ **Fore Casting and Reference Lines**

- What is Fore Casting and implementation
- What is Reference Line
- Lines
- Bands
- Distributions
- Box Plot

❖ **Annotations**

- Mark Annotation
- Point Annotation
- Area Annotation

❖ **Page-shelf or Automated Maps**

- What is Page Shelf?

- When to use Page Shelf
- Page Shelf Customized Controls

❖ **Drop Lines**

- What is Drop Lines
- When to use Drop Lines?
- What is summary Card?
- When to Use Summary Card in Tableau?

❖ **Getting Started with Dashboard Sections**

- What is Dashboard, when to use Dashboard and Ways to use Dashboard
- What is work book and When to use Workbook
- What is work sheet and When to use worksheets
- What is stories their usage
- Ways to use Workbook, Dashboard, Worksheet, Stories

❖ **Dash Board Components**

- Horizontal
- Vertical component
- Image Component
- Text Component
- Blank Component

❖ **Actions in Tableau**

- What is Actions & When to use Actions
- Types of Actions in tableau
- How to Trigger the Action

❖ **Tableau Advanced Charts – User defined Charts (IMP)**

- Water Fall charts
- Donut charts
- Funnel Charts
- Word cloud
- Lollipops charts
- Whisker plots.
- Scatter plot

❖ **Different Add INS and new feature in Tableau**

- Advanced Tableau 10 New Features.
- Reporting Migration Process and Check list in Real-Time

❖ **Tableau Desktop:**

- Publishing workbook and data source
- Managing and creation of sites

- Migration of workbook in different environment
- Tabadmin commands on server level
- Postgrey SQL to connect the tableau server
- Postgrey SQL to create server level report
- Backup and recovery at tableau server
- Performance recording at server level

❖ **Getting Started with Tableau Prep**

- The Union Step
- The Output Step
- The Tableau Prep Interface
- The Input Step
- The Cleaning Step
- Group and Replace
- The Profile Pane
- The Pivot Step
- The Aggregate Step
- The Join Step

❖ **Multiple Case Studies based on Realtime scenarios to measure your learning.**

For More Details: Visit our website at: <https://www.innozant.com/>

Call / WhatsApp: 7065069985

You can also visit our institute at the following address.

B-1363, First floor, office no. 7, Sarpanch Complex, Near Wine & Beer Shop, New Ashok Nagar, Delhi-96.