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### **Course: Tableau Training**

Duration: Hrs (Changeable) | Fees: Individual / Batch

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### Syllabus on the Next Page ..

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#### **Tableau Training Syllabus**

#### 1. Introduction to Tableau

- \* What is Tableau?
- \* Importance of Data Visualization
- \* Overview of Tableau Products:
- \* Tableau Desktop
- \* Tableau Server
- \* Tableau Online
- \* Tableau Public
- \* Tableau Prep
- \* Installation and System Requirements

#### 2. Getting Started with Tableau

- \* Understanding Tableau Interface
- \* Connecting to Data Sources:Excel
- \* Databases (SQL, Oracle, etc.)
- \* Cloud Services (Google Sheets, AWS, etc.)
- \* Web Data Connectors
- \* Types of Data Connections: Live and Extract
- \* Saving and Sharing Workbooks

#### 3. Data Preparation in Tableau

- \* Data Types and FieldsData Blending
- \* Data Joins (Inner, Left, Right, Full)
- \* Unions in TableauData Cleaning with Tableau Prep

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- \* Splitting fields
- \* Pivoting data
- \* Removing nulls and duplicates

#### 4. Creating Visualizations

- \* Basic Visualizations:Bar Charts
- \* Line ChartsPie ChartsScatter Plots
- \* Heat MapsAdvanced Visualizations:
- \* Tree MapsBubble ChartsGantt Charts
- \* Waterfall ChartsBox and Whisker Plots
- \* Geospatial Analysis: Maps and Geographic Visualizations
- \* Custom Geocoding

#### 5. Calculations in Tableau

- \* Types of Calculations:Basic Calculations
- \* Table Calculations
- \* LOD (Level of Detail) Expressions:
- \* FixedInclude
- # Exclude
- \* String Functions
- \* Date Functions
- \* Aggregate Functions

#### 6. Sorting and Filtering Data

\* Sorting Data in Visualizations

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- \* Filters:Dimension Filters
- \* Measure FiltersContext Filters
- \* Top N Filters
- \* Filtering Across Multiple Data Sources

#### 7. Parameters in Tableau

- \* What are Parameters?
- \* Creating and Using Parameters
- \* Dynamic Visualizations with Parameters
- \* Use Cases for Parameters

#### 8. Dashboards and Stories

- \* Creating Dashboards:
- \* Adding Sheets to Dashboards
- \* Customizing Layouts
- \* Interactive Dashboard Elements
- \* Dashboard Actions:
- \* Filter ActionsHighlight Actions
- # URL Actions
- \* Creating and Sharing Stories

#### 9. Advanced Tableau Features

- \* Data Extraction and Performance Optimization
- \* Sets and Groups
- \* Using Tableau with Big Data

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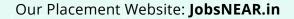
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- \* Tableau Extensions
- \* Animations in Tableau Visualizations

#### 10. Tableau Server and Online

- \* Introduction to Tableau Server
- \* Publishing Workbooks to Tableau Server/Online
- \* Managing Permissions and Access
- \* Data Refresh and Scheduling
- \* Tableau Server Administration Basics

#### 11. Tableau Integration and APIs

- \* Tableau and R Integration
- \* Tableau and Python (TabPy) Integration
- \* Tableau Extensions API Overview
- \* Embedding Tableau in Applications

#### 12. Tableau Certification Guidance

- \* Tableau Certification Overview:
- \* Tableau Desktop Specialist
- \* Tableau Desktop Certified Associate
- \* Tableau Certified Data Analyst
- \* Exam Preparation Tips
- \* Practice Questions and Real-World Scenarios

#### 13. Industry-Specific Use Cases

\* Tableau for Retail Analytics

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- \* Tableau for Healthcare Analytics
- \* Tableau for Financial Analytics
- \* Tableau for Marketing Analytics

#### 14. Hands-On Projects

- \* Sales Analysis Dashboard
- \* Customer Segmentation
- \* Financial Performance Analysis
- \* Geospatial Data Visualization

#### 15. Advanced Topics (Optional)

- \* Tableau Prep Advanced Techniques
- \* Tableau with Machine Learning
- \* Advanced Dashboard Design Principles
- \* Exploring Tableau Public Gallery

(Click on Course for more details)

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### - Thank You -

N.B:This syllabus is not final and can be customized as per requirements / updates.

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