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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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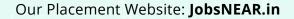
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- * Tableau Extensions
- * Animations in Tableau Visualizations

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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