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Tableau Training Curriculum Online by Certified Consultant

Module 1: Introduction to Tableau

- What is Business Intelligence (BI)?
- What is Data Visualization?
- Introduction to Tableau
- Tableau Product Family
- Tableau Architecture
- Tableau Desktop vs Tableau Cloud vs Tableau Server
- Tableau Public
- Tableau Reader
- Tableau Prep Builder
- Tableau Licensing
- Tableau Interface Overview
- Tableau Workflow
- Tableau File Types (.twb, .twbx, .hyper)
- Tableau Terminologies

Module 2: Installing Tableau

- Tableau Desktop Installation
- Tableau Public Installation
- Tableau Licensing
- Activating Tableau
- Tableau Workspace
- Connecting Sample Data
- Understanding Tableau Environment

Module 3: Connecting Data Sources

- Excel
- CSV Files
- Text Files
- JSON
- PDF (using external tools)



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- Microsoft SQL Server
- Oracle Database
- MySQL
- PostgreSQL
- SAP HANA
- Google Sheets
- Snowflake
- Salesforce
- AWS Redshift
- Azure SQL Database
- Live Connection
- Extract Connection
- Data Source Page

Module 4: Data Preparation

- Data Interpreter
- Rename Fields
- Hide Fields
- Split Columns
- Pivot Data
- Union
- Join
- Relationships
- Data Cleaning
- Data Types
- Geographic Roles
- Aliases
- Default Properties

Module 5: Tableau Interface

- Start Page
- Data Pane
- Analytics Pane
- Columns Shelf
- Rows Shelf
- Marks Card
- Filters Shelf
- Pages Shelf
- Show Me



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- Toolbar
- Status Bar

Module 6: Tableau Data Model

- Tables
- Relationships
- Inner Join
- Left Join
- Right Join
- Full Join
- Cross Join
- Union
- Blend Data
- Cross Database Join

Module 7: Tableau Charts

Basic Charts

- Text Table
- Highlight Table
- Heat Map
- Bar Chart
- Stacked Bar Chart
- Side-by-Side Bar
- Line Chart
- Area Chart
- Pie Chart
- Donut Chart

Advanced Charts

- Scatter Plot
- Bubble Chart
- Packed Bubble
- Histogram
- Box Plot
- Gantt Chart
- Bullet Chart
- Waterfall Chart
- Funnel Chart
- Pareto Chart
- Dual Axis Chart



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- Combined Axis Chart
- Tree Map
- Word Cloud
- Density Chart

Module 8: Filters

- Extract Filter
- Data Source Filter
- Context Filter
- Dimension Filter
- Measure Filter
- Relative Date Filter
- Top N Filter
- Wildcard Filter
- Condition Filter
- Filter Actions
- Apply Filters to Worksheets
- Global Filters

Module 9: Sorting & Grouping

- Sort
- Nested Sort
- Manual Sort
- Group
- Hierarchy
- Sets
- Combined Sets

Module 10: Calculated Fields

- Introduction to Calculations
- Row Level Calculations
- Aggregate Calculations
- Table Calculations
- Logical Functions
- Date Functions
- Number Functions
- String Functions



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- Type Conversion
- IF Statements
- CASE Statements
- ZN
- ISNULL
- IIF

Module 11: Level of Detail (LOD)

- Introduction to LOD
- FIXED
- INCLUDE
- EXCLUDE
- Practical Examples
- LOD vs Table Calculation
- Performance Considerations

Module 12: Table Calculations

- Running Total
- Moving Average
- Difference
- Percent Difference
- Rank
- Percent of Total
- Window Functions
- First()
- Last()
- Lookup()
- Index()

Module 13: Parameters

- Creating Parameters
- Dynamic Parameters
- Parameter Actions
- What-if Analysis
- Switching Measures
- Switching Dimensions
- Dynamic Titles



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Module 14: Maps

- Geographic Roles
- Filled Maps
- Symbol Maps
- Density Maps
- Custom Maps
- Map Layers
- Spatial Files
- Latitude & Longitude
- Custom Geocoding

Module 15: Analytics

- Trend Lines
- Forecasting
- Clustering
- Reference Line
- Distribution Bands
- Box Plot
- Average Line
- Totals
- Grand Totals

Module 16: Dashboards

- Creating Dashboards
- Dashboard Objects
- Containers
- Floating vs Tiled
- Navigation Buttons
- Device Designer
- Dynamic Zone Visibility
- Dashboard Actions
- Responsive Dashboard Design

Module 17: Storytelling



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- Story Points
- Story Navigation
- Business Storytelling
- Presentation Techniques
- Executive Reporting

Module 18: Advanced Dashboard Features

- URL Actions
- Filter Actions
- Highlight Actions
- Parameter Actions
- Set Actions
- Viz in Tooltip
- Dynamic Titles
- Dynamic Images

Module 19: Tableau Prep Builder

- Tableau Prep Overview
- Input Step
- Cleaning Step
- Join Step
- Union Step
- Pivot
- Aggregate
- Output
- Data Cleaning Workflow

Module 20: Tableau Server & Tableau Cloud

- Introduction
- Publishing Workbooks
- Publishing Data Sources
- Permissions
- Projects
- Users & Groups
- Schedules



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- Refresh Extracts
- Subscriptions
- Alerts
- Web Editing

Module 21: Performance Optimization

- Performance Recorder
- Reducing Marks
- Efficient Filters
- Optimizing Calculations
- Extract vs Live
- Dashboard Performance
- Best Practices

Module 22: Security

- User Authentication
- Row-Level Security (RLS)
- Data Source Security
- Workbook Security
- Project Permissions
- Site Roles