

Tableau Curriculum

1. Introduction to Data Visualization

- What is Data Visualization?
- Identify the prerequisites, goal, objectives, methodology and Goal

2 .Architecture of Tableau

- What is Tableau?
- Features of Tableau.
- Installation of Tableau Desktop.
- Interface of Tableau (Layout/Toolbars/Data Pane/Analytics Pane etc).

3. Managing Data Sources

- Connection to various data sources
- SQL Server Database connectivity and tables
- ODBC and other sources connectivity
- Cloud database connectivity(Sales force, Snowflake)

4. Organizing data and Visual Analytics with Tableau.

- Introduction to various charts
- Bar Charts, Line Graphs, Pie Charts
- Maps, Scatter Plots, Gantt Charts, Bubble Charts
- Tree maps and Box-and-Whisker Plots
- Managing Extracts
- Managing Metadata
- Visual Analytics
- Data Granularity using Marks Card
- Highlighting



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5. Deep dive into Visualization

- Highlighting Tables, Heat Maps.
- Circle Plots
- Side By Side bar charts, Dual Axis Charts, Area Charts.
- Waterfall Charts, Bump Chart, Word Cloud Chart, Pareto Charts.
- Parameter using sets and filter
- fields : continuous and discrete visualization
- Quick Sort, Sorting using measure, Sorting using header and legends, sorting
- Filtering Use cases covering different options (General, Wildcard, and Conditional).
- Interactive Filter, Quick Filter, Context Filter.
- Grouping using Data Window, Visual Grouping, Calculated Grouping (Static and dynamic).
- Adding trend line and reference line (along with various options available for them)

6. Data Organization and Scripting

- Calculated Metrics, Apply Sorting on Dimension and Measures.
- Calculating Total and Sub totals.
- Various Aggregated measures, Percentages.
- Data Spotlighting, Summary Card, Date and Time Functions.
- Logical Functions.
- Hierarchies, Groups and Bins.

7. Working with Time Dimension

- Quick Table Calculations.
- Custom Table Calculations,
- YTD, Parallel Period, Moving Averages.
- Running totals, Window Averages,
- Trend Lines and Predictive Models

8. Data Incremental Loading and Data Blending

- Data Blending from multiple source systems Creating Incremental Loads
- Creating File Extractions, Parameters

9. Dashboard and Stories

- Creating Dashboard and learning its UI component.
- Changing the layout of the dashboard.
- Using Device Designer to create dashboard for devices.
- Create an interactive dashboard using actions (Filter, Highlight, URL).
- Creating story with dashboard.



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10. Tableau Prep

- Introduction to Tableau Prep
- Data transformation and Data cleansing using tableau Prep.
- Integrating Tableau prep with Tableau Desktop.

KEY FEATURES



Instructor-led Sessions



Learn from Experts



Assignments



24 x 7 Support



Real-time Case Studies



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