

Tableau



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Introduction to Tableau

Overview of Tableau

Data visualization and analytics

Elements of the Tableau dashboard

Understanding the significance of Tableau Desktop and Tableau Server

Extensively work with data visualization using line, bar, area, stacked bar, and multi line charts

Connecting with Excel data

Deep dive into Tableau Graphs

Various data representation techniques

Like Tables

Graphs and Maps understanding the basics of Tree Map

Histogram

Filled Map

Symbol Map

Pie Chart

Trend Lines

Normal Tables and Multi measure Tables

Tableau Table Joins

Understanding the conditions and methodology for joining Tables

Knowledge of Multi Table Joins

Working with Metadata

Working with Table

Creation of Calculated Fields

Duplicating and renaming columns

Conversion of data types

Default aggregation



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Hierarchy & Groups

Tableau Hierarchy creation
Static Group creation
Deploying functions for Group creation

Tableau Sorting

The various options of Sorting in Tableau
Sorting of Multi-dimensional graph
Deploying combined fields and setting sorting priorities

Dual Axis Graphs

Working with Dual Line Charts
Multiline Chart
Donut Chart
Pie Chart
Working with Measure Name and Measure Values
Learning about the different type of Single Axis Histogram,
Dual Axis Histogram

Histogram

Learning about the different type of Single Axis Histogram
Dual Axis Histogram

Pareto Chart

Understanding how to design and work with Pareto Chart

Motion Chart

Deploying Motion Chart for data that changes over time using x and y axes

Box Plot

Representation of numerical data through quartiles using Box Plot



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Funnel Chart

Working with Funnel Chart for data that progressively reduces with each stage.

Waterfall Chart

Deploying Waterfall Chart for understanding the cumulative effect of sequential values

Sets

Understanding the concept of Set which is an entity whose composition is based on a computed condition

String Calculated Fields

Learning how to perform various operations on Strings like concatenation Manipulation and analyzing with String Calculated Fields

Date Calculated Fields

Working with Date Calculated Fields for performing operations like parsing Modifying and analyzing

Tableau Parameters

Learning to use the dynamic values or parameters including What if Analysis Column Selection Parameters, Chart Selection Parameters

Tableau Actions

Tableau lets you add interactivity and context to your data using Filter Actions, URL Actions.

Dashboard Creation

Working with the Tableau Dashboard and understanding the various concepts like Formatting, Containers, Navigations and Actions.



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Tableau Architecture

Understanding the basic Architecture of Tableau
Learning about Tableau Desktop features, Tableau Server,
working of Tableau and the various Tableau Products
Tableau Products
Tableau public Features
Tableau Desktop personal features
Tableau Desktop professional feature
Tableau Server Feature
Tableau File System
Tableau Working
Tableau Server Architecture

Connection Type

Tableau Connections –Live Connection and Data Extract Connection,
Comparing the two Live And Extract connection

Sharing Dashboard

Learning to work on Tableau by sharing the dashboard with offline users

Data Blending

Methods to work with data from disparate sources,
defining the relationship between the data and combining it in
the optimal way.

Dashboard Filter

Working with various Tableau Filter options,
understanding the Filter Dimensions and ways to make
the Filter Global.

Filter Deployment

Taking the various data sources and implementing
to blend the graphs, using Global Filter for
blending graphs.



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Tableau LOD Expression

Tableau Level of Detail Expressions for combining aggregate and non-aggregate data, converting aggregate to non-aggregate data in Tableau 9.X

MapBox Integration

Integrating MapBox on Tableau for deploying Maps into Tableau Visualization

Table Calculation

Understanding Tableau Table Calculation, familiarizing with Graph and View, learning about Context filter

Aggregating Data

Understanding the concept of aggregating data in Tableau, defining Table Calculation, , Mark Labels, FORMAT function, working with String, Date and Logical Function, data disaggregating, forecasting.

Defining Table Calculation

Working with Drop Lines

Mark Labels

FORMAT function

Working with String

Date and Logical Function

Data disaggregating

Forecasting

LOD Expression Function

Deploying the Exclude function in LOD

Integration of Tableau and R

Introduction to R Statistical computing

The various applications and use cases of R

Deploying R on the Tableau platform

Learning the R functions in Tableau

The concept of Outliers in Tableau



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K-means in Tableau

Learning how to deploy K-means clustering in order to group and parse data in Tableau.

Tableau StoryTelling

The art of telling stories with Tableau, the importance of story point and determining when to deploy Tableau Storytelling

Storytelling on Graph

Converting the data available on a Graph into a Visual Storytelling endeavour

Clustering and Advanced Bar charts in Tableau 10

Create clustering
Understanding how it works for scatter plots, text tables and maps, creation of custom territories, mastering the art of advanced bar charts in Tableau 10

Multiple data source filters & advanced maps

Understanding the various Tableau 10 features like Highlighter, deploying multiple data sources for creation of filter and advanced mapping functionalities.

Beautify by design in Tableau 10

Introduction to the various new features of Tableau 10, working with Device Designer, New Device Interface, Color palette and more

Data breakthrough in Tableau 10

Understanding new data breakthrough in Tableau 10, new features of data sources, integrating multiple data sources for deriving insights.

Tableau Project



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