



TABLEAU CURRICULAM

Generic start before tableau

- Pre-requisites to survive in tableau
- Generic
- Technical
- FAQ's on tableau career
- Why we need to choose tableau and How about future on it?
- Roles and Responsibilities in real time
- Tips on how to survive after join Data base concepts:
- What is Data, Information and Its variations?
- What is a table, Primary, Foreign keys and Its significance?
- What is structured and Unstructured data/data sources?
- What is a Data source and Types?
- Significant commands that are handy while working with tableau and JOINS coverage Data warehousing concepts:
- What it is and Why it is for?
- DWH Architecture and Its significance
- What is ETL, Its significance and Flow in real time with examples
- What is BI (Business intelligence)? and Why BI after Data Ware Housing stage?
- Data modeling Schemas Introduction to Tableau:
- What, Why and when to use?
- Products under tableau and Their significance?
- Working/Data life cycle with tableau in real time while generating the reports?
- What is Static and Dynamic?
- What is Normalization, De-normalization and Its variations?



- What is Continuous, Discrete and Its variations?
- What is a Dimension, Measure and Its variations? Tableau Desktop
- Installation & On Versions
- Tableau Environment
- Connecting to different data sources (Ex: Postgresql, Excel, Flat files, SQL Server, Oracle etc.,)

Data Connections

- Live
- Extract
- When to move Live to Extract data connection
- When to move Extract to Live data connection Measures and Dimensions
- Working with Single/Multiple Dimensions & Measures using various graphs
- Individual axis
- Blending axis
- Dual axis
- Combination charts Filters
- Data Source level
- Quick filter
- Normal filter
- Generic, Wildcard, Condition and Top
- Date filter
- Context filter and Observation on how the other filter would become dependent on this Context filter.
- Cascading filters
- Sharing filters Graphs & Visualizations
- Text tables

- Highlight tables
- Heat map & Tree map
- Pie chart
- Horizontal, Vertical and Stacked bar
- Side by Side chart
- Circle views & Side by side circle views
- Lines (Discrete & Continuous) & Dual lines.
- Area charts (Discrete & Continuous) & Dual combination
- Scatter plot & Packed bubbles. Sets & Combined Sets, Bins, Groups, Hierarchy and Sorting
- Significance of Sets & Combined sets, Bins, Groups and Hierarchy
- Variations involved with Sets, Bins and Groups.
- Significance of Sorting and Aliases
- What is YTY, YTQ, YTD, YTM etc., and Why it is so vital in real time

Actions & Annotations

- Significance of Actions
- Filter, URL and Highlight actions
- Annotations, Trend lines, Forecast and Drop lines
- Reference lines, Band, Box and Distribution Calculations, Parameters and Data Blending
- String, Boolean, Date , Aggregate, ATTR(), Logical (IF and CASE), Table and Lookup() functions.
- Significance of Parameters, Its types and Usage.
- Significance of Data Blending, Why it is utilized in real time and Rules to perform in manual and Automatic way. Dashboards and Migrating the work to Tableau server
- Significance of Dashboards and Its groundwork
- Significance, Saving and Migrating of twb, twbx and tde to the Tableau Server



- Performance tips in Tableau to make the development better Interview questions, Exercises and Groundwork to be given for every topic. Tableau Server
- Significance of Tableau server, Installation and Tableau server configuration
- Tableau server architecture and its components
- Analysis of Postgresql database and its significance
- Hierarchy of the Tableau server environment
- Significance of Server, Sites, Projects, Groups and Users
- Permissions /Access setup creation at individual levels from Projects to Users View level.
- How to download and Republish the Workbooks in to the server
- monitoring different real time extract refresh failures and its errors
- Important commands to retrieve the backup and Restore of tableau
- Important commands coverage that mostly used in real time.
- Explain how Schedules and Subscriptions works in tableau server with SMTP dependency?
- User filter setup at data source level & At report level and Its diff?
- Save and Save As functionality
- Tableau server up gradation and Migration.
- How to add licenses to the existing tableau server