

TABLEAU DESKTOP

INTRODUCTION AND GETTING STARTED

- Tableau desktop role in the tableau product line
- Application terminology
- View terminology
- Data terminology
- Visual cues for fields

BEST PRACTICES IN CONNECTING TO DATA

- Working with metadata
- Working with connections
 1. Live Connection
 2. Extract ConnectionRefresh & Converting live connection to Extract Connection
Refresh & Converting Extract connection to Live Connection
- Establishing connections with other databases MS Access, Oracle, Sql Server

WORKING WITH MEASURES AND DIMENSIONS

- Individual axis
- Blended axis
- Dual axis
- Combinational Charts
- Working with Mark Card(Color, Size, label) with sceneries
- Default properties of Dimensions and measures
- Discrete and Continuous
- Conversion of Dimension to measures and vice versa
- Working with Data types

WORKING WITH ACTIONS AND FILTERS IN WORKSHEET

- Communicating sheets with Action filters
- Redirecting to other Statics URL, Dynamic URL, Folders with Action URL
- Action Highlight

FILTERS

- Data source Level Filters
- Worksheet level Filters
 - Applying filters at worksheet level (Header, Bar, Mark card)
 - Working with Filter shelf with examples (General, wildcard, Condition, Top)
 - Quick Filters (Single select, Multiselect, Wild card Select)
 - Making filters dependent with Context Filters
 - Applying static, dynamic and calculated Filters
- Sharing Filters

WORKING WITH MAPS, WMS SERVER, GEO CODING

- Creating Symbol maps
- Creating filled maps in different methods
- Creating dual Axis map with examples
- Working with map options
- Working with WMS servers and converting to tms
- Identifying a particular place latitude and longitude
- Working with Geo Coding

BUILDING VISUALIZATIONS

- Working with bar charts, stacked and side by side bars
- Working with line, Area, Circle views and combination charts, pie charts
- Working with Text tables, Highlight tables, Heat Maps, Tree Maps and pie charts
- Working with Scatter Plots, Bins histograms, Box and whisker Plot
- Working with Gantt views, Bullet graphs, Packed Bubbles.
- Working with shapes and marks

BUILDING CUSTOM CALCULATIONS AND PARAMETERS

- Overview of calculations and trigonometric functions
- Manipulating string, date calculations, window functions.
- Calculations and aggregations
- Dynamic calculations
- Logic statements(grand totals, sub-totals)
- Creating quick table calculations and Table calculations
- Creating parameters and using in customizing calculations

Scenarios:

- Conditional formatting
- Multi Conditional formatting
- Conditionally labeling
- Dynamically date selection
- Column dynamically selecting
- Dynamically conditional formatting

BUILDING GROUPS, SETS, BIN, HIERARCHY, SORTING

- Working with Groups
 - Applying Groups at Sheet Level
 - Applying Groups at Column Level
 - Applying Static and dynamically Groups
- Working with Sets(Constant Set, Dynamic Set, Combined Set)
- Working with Bins
- Working with Hierarchy
- Working with Sorting and dynamically Sorting

INTRODUCTION TO STATISTICALS VISUAL ANALYSIS

- Reference lines/bands/distributions
- Trend modeling and forecasting
- Drop Lines
- Annotating

DATA MODELING AND DATA BLENDING

- Basics of Data Modeling
- Copy to Clipboard from Website
- Joining tables based on requirement
- Using new Custom SQL option
- Using Convert to Custom SQL option
- Data blending
 - Automatic Data Blending
 - Manual Data Blending

- Rules to be followed for Data Blending

SHARING YOUR WORK AND EXTENSIONS

- Packaging workbook
- Publishing to tableau server
- Publishing to pdf
- Export data and image
- Twb, Twbx, Tds, Tde, Tms, Tbm

BUILDING DASHBOARDS AND STORYBOARD

- Overview of dashboards
- Building your first dashboards
- Applying actions and parameters on dashboards
- Best practices in tableau dashboard design
- Report selector dashboard
- Selecting reports from INDEX Dashboard
- Master Detail Reports in dashboard
- Building Story

TABLEAU SERVER

TABLEAU SERVER ADMINISTRATION

- User and group administration
- Project Creation
- Site administration

SECURITY AND PERMISSIONS IN TABLEAU SERVER

- Levels of license(interacter,viewer,un-licenced)
- User rights and roles

- Permissions precedence
 - Project Level Permission
 - Work Book Level Permission
 - View Level Permission
 - Data Source Level Permission

ARCHITECTURE AND COMPONENT FUNCTIONS

- Gateway server
- Repository and application server, VizQL server
- Fast data engine
- Background and data server

PROCESS FLOWS

- Create a visualization in tableau desktop
- Publish and view a visualization in tableau server
- Schedule and extract refresh
- Publish an extract or data source
- Add a user in tableau server

TABLEAU SERVER CONFIGURATION

- Data server
- Schedule and task administration
- subscriptions
- Embedding and URL parameters
- Command line utilities
- Log file administration
- Monitoring and auditing
- Performance recording
- Advanced configuration options
- Java script and TDI API