COURSE SYLLABUS

Tableau Bootcamp

Learn to connect and organize data, create charts and maps, and build interactive Tableau dashboards through hands-on exercises.

> Group classes (NYC) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://training-nyc.com/courses/tableau-bootcamp



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Course Outline

Module I: Working with Your Data

Understanding Data

- What is data
- Where to find data
- Foundations for building Data Visualizations
- Tableau Versions
- Tableau Workflow
- Tableau Chart Types

Working with your Data in Tableau

- Using Data file formats
- Connecting your Data to Tableau
- Cleaning up the data with the Data Interpreter
- Structuring your data
- Sorting and filtering Tableau data
- Pivoting Tableau data

Creating your First Visualization

- Getting started with Tableau Software
- Using Data file formats

  CSV, TXT
- Connecting your Data to Tableau
- Creating basic charts (line, bar charts, Treemaps)
- Using the Show Me panel

Tableau Calculations

- Overview of SUM, AVG and Aggregate features

- Creating custom calculations and fields
- Applying new data calculations to your visualization

Formatting your Visualization

- Formatting Tools and Menus
- Formatting specific parts of the view
- Editing and Formatting Axes

Working with your Data in Tableau

- Cleaning up the data with the Data Interpreter
- Structuring your data
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- Pivoting Tableau data

Organizational tools

- Using Filters
- Using the Marks panel
- Using the Detail mark card
- Using the Size mark card
- Using the Label mark card
- Customizing filters
- Using and Customizing tooltips
- Formatting your data with colors

Distributing and Publishing your Visualization

- Tableau file types
- Publishing to Tableau Cloud
- Sharing your visualization
- Exporting your visualization

Module II: Mapping & Advanced Visualizations

Intro to mapping data

- Concepts of mapping data
- Requirements in mapping data
- Formatting geographic data for Tableau
- Using Polygon data
- Using background images
- Integrating with Map Services - Mapbox, WMS
- Customizing map layers and map options

Creating Visualization Maps

- Creating Choropleth maps
- Creating Proportional Symbol maps
- Tracking data Over Time Using Maps & Pages
- What is a Density Map?
- Distributing and Publishing your map Visualization

Creating a Dual Axis Chart

- Dual Axis Charts
- Dual Axis (Layered) Maps
- Benefits of dual axis charts

More Chart Types

- Cyclical data and circular area chart
- Alluvial Diagram
- Ranking Chart
- Creating Spider maps
- Creating Heat maps

Creating dashboards and Stories

- Using Storytelling
- Creating your first dashboard and Story
- Design for different displays
- Adding interactivity to your Dashboard

Modifying and Updating Data

- Relinking Data Sources
- Swapping out Data Sources

Individualized Project Work

Students will work with either provided data sets or their own data to work on individual projects during this supervised classroom time.