

**WEEK  
01**

**Data Visualization Basics**

**Summary:** Week 1 of this program guides you through the basics of Data Visualization and its relevance and uses. Thereafter, we show you how to install and use Tableau.

- Relevance and Comparison of Visualization
- Uses of Tableau
- Installation and Architecture of Tableau
- Exporting, Connecting, Loading Tableau

Webinar: 6 hours

**WEEK  
02**

**Visualization and Data Organization**

**Summary:** We now move towards indepth visualizations via different plots and diagrams and Data Organization techniques such as sorting, filtering, string and logical functions.

- Visualization - Heat Maps, Circle Plots, Lines
- Scatter plots, Area Charts, and Tree Maps
- Data Spotighting and Summary Cards
- Sorting, Filtering, String and Logical functions

Webinar: 6 hours

**WEEK  
03**

**Visualization and Time Dimension**

**Summary:** Advanced visualization techniques and time dimension methodologies are explored in detail in Week 3. This includes Predictive Models & Forecasting.

- Dual, Combination and Motion charts
- Reference Lines/Bands and Waterfall charts
- Moving Averages and Predictive Models
- Recommendations for Forecasting

Webinar: 6 hours

**WEEK  
04**

**Mapping & Enterprise Dashboards**

**Summary:** Week 4 takes a look at Mapping and Enterprise Dashboards - its layout, formatting, interactivity and best practices

- Filled and Symbol Maps
- Geo coding and Online Maps
- Dashboard layouts and formatting
- Dashboard interactivity using actions

Webinar: 6 hours

**WEEK  
05**

**Data Presentation and Tableau Server**

**Summary:** In this week we teach you how to summarize data and make presentations relevant. Additionally, we introduce you to the basics of the tableau server

- Data summarization and interaction
- Publishing reports on the web
- Interaction with content and Web Authoring
- Installing and Configuring Tableau Server

Webinar: 6 hours

**WEEK  
06**

**Tableau Server and Online**

**Summary:** Get an overview of administrative procedures, data connections, security and software updates on the Tableau Online Server

- Administrative Overview
- Data Connections
- Data Security
- Upgrading Tableau Server

Webinar: 6 hours

**WEEK  
07**

**Tableau Integration**

**Summary:** Learn how tableau works with multiple data sources and integrates with open-source ecosystems such as Hadoop and R.

- Data Blending from various sources
- Custom SQL queries and incremental loads
- Connect to Hadoop Systems from Tableau
- Integrate Tableau with R

Webinar: 6 hours

**WEEK  
08**

**APIs and Capstone Project**

**Summary:** In this last week, we focus on Tableau APIs and finally evaluate your capstone project on Tableau.

- Extract API Introduction
- Extract API connecting to data
- REST and Javascript API
- Capstone Project Evaluation

Webinar: 6 hours