

**Advanced Tableau**

**Course Number:** TAB-118  
**Duration:** 2 days

**Overview**

This Advanced Tableau training course takes your team's analytical abilities and insights to the next level!  Master using new types of visualizations, advanced time-series analytics, advanced calculations, statistical analytics, and much more! This Tableau course also teaches participants how to turn basic formatting into magazine-quality infographics while quantifying impacts.

**Prerequisites**

All attendees must have:

* Three to six months of regular Tableau usage, or completion of our [Introduction to Tableau](file:////training/tableau-introduction-analyst) and [Intermediate Tableau](file:////training/tableau-intermediate) courses
* Familiarity with calculations

**Materials**

All Advanced Tableau training students receive comprehensive courseware.

**Software Needed on Each Student PC**

* Tableau Desktop
* Microsoft Excel 2016 or later
* Internet access
* Related data and lab files that Accelebrate would provide

**Objectives**

* Use advanced time-series analytics
* Apply advanced calculations
* Understand correlation analytics and relationships between data
* Apply advanced geographic analysis
* Leverage advanced geographic analysis
* Create advanced charts and dashboards
* Apply advanced interactivity

**Outline**

* Introduction
* What keeps the CEO up at night?
* How to Ask the Right Questions
  + Where to find answers to these questions
* What Makes a Visualization Effective?
* The Ninja Analyst Framework
* Advanced Time Series Analytics
  + Cycle Plots
  + Line Chart with Percent Change and YOY Growth
  + Running Total Charts
  + Forecasting
    - How to use them and when
    - How to interpret them
    - How to adjust them
    - Regression forecasting
    - Moving Average forecasting
    - Seasonal forecasting
* Advanced Calculations
  + Review of Ratios and Aggregations
  + Logic & Date calculations
    - YTD calcs
  + Level of Detail calculations
    - Fixed
    - Include
    - Exclude
    - Table-Scoped
* Applying Calculations to Formatting
  + Percent of Total and Double Labels
  + Bar Chart with Max Color Calc
  + Seeing What’s Changed Beyond the Top 10
* Statistical Analysis and Relationships Between Data
  + Exploring Variation through visualization
    - Using Jitter Plots
    - Percentiles
    - Standard Deviations
  + Quadrant Charts
  + “Relative To” Charts
  + Linear Regression & How to Interpret
  + Distributions with Confidence Intervals
  + Control Charts
  + Box Plots
  + Clustering
    - When to use
    - How to interpret
    - How to adjust
* KPIs and BANS
  + Reference Line Comparisons
  + KPI Indicators with YTD vs. Prev YTD (or similar types of time periods)
* Advanced Geographic Analysis
  + Filled Map
  + Symbol Map
  + Dual Axis Map
  + Custom maps
  + Custom territories or regions
  + Mapbox
  + Background maps
* Other Advanced Charts
  + Barbell Charts
  + Funnel Charts
  + Small Multiples
  + Sparklines
  + Donut Chart
  + Waterfall Chart
  + Bulletgraph
  + Bar in Bar chart
* Advanced Dashboards
  + Layouts
  + Using & Formatting Layout Containers
  + Formatting
  + Fonts
  + Colors
  + Key Insights
  + Providing Recommendations
  + Quantifying Insights and Impacts of Recommendations
  + Storypoints
* Advanced Interactivity
  + Set Actions
  + Parameter Actions
* Using these skills to advance your career and get promoted
* Conclusion