Faysal Aziz

Tableau Advanced Accelerator

Elevate Your Analytics in a day

FA-0431

Agentic & Generative AI · Data & Analytics

Introduction

Building on foundational Tableau skills, this intensive 1-day course brings you into advanced territory with practical, real-world techniques. Guided by an instructor with 30+ years of BI and analytics experience, you'll learn cutting-edge features from Tableau 2025, dive deeper into data modeling, advanced calculations, sophisticated visualization techniques, and optimize for performance—right where professional demand is strongest.

Learning outcomes

By the end of this course, participants will be able to:

- Use advanced calculations including custom LODs, table calculations, and RegEx logic
- Build complex data models with multi-table relationships and performance tuning
- Design non-standard charts: dual-axis visuals, Sankeys, radial bars, dot plots
- Implement interactive features like parameter actions, set actions, and dynamic parameters
- Create advanced geospatial analyses using spatial parameters and map layers
- Optimize dashboards: performance recording, VizQL API integration, extensions

Prerequisites

- Completion of foundational Tableau training (our 2-day course or equivalent)
- Familiarity with core charts, basic calculations, data joins/relationships, and dashboard creation

Training outline

1. Advanced Calculations

- Deep dive into table calculations (running total, rank, moving average)
- Level of Detail (LOD) expressions: FIXED, INCLUDE, EXCLUDE, applied in contextual scenarios
- Custom functions using RegEx and date logic for dynamic analysis

2. Dynamic Interactivity and Parameterization

- Parameter actions and use cases: dashboard controls, “What-If” scenarios
- Set actions: interactive filtering and segmentation
- Dynamic parameters that update with data changes

3. Non-Standard and Custom Visualizations

- Dual-axis and combination charts for comparative insight
- Advanced visuals: Sankey, radial bar, dot plot, bullet charts
- Data densification techniques for creative visual layouts

4. Advanced Geospatial Analysis

- Spatial parameters and viewport-driven interactions
- Multiple map layers, territory maps, hex bins, and custom spatial shapes

5. Data Modeling & Prep Optimization

- Relationship vs. join: performance implications and model design
- In-database Tableau Prep flow: advanced ETL processing
- Creating reusable semantic models and leveraging published data sources

6. Dashboard Optimization & Extensions

- Dashboard performance: recording, bottleneck diagnosis
- Viz in Tooltip and analytics pane extensions
- Integrating Tableau extensions (VizQL Data Service API, Table Viz Extension)

7. Advanced AI-Enhanced Features

- Tableau Agent on Desktop: using conversational analytics
- Dynamic color ranges and custom GenAI-driven palettes

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