training code: TABLEAU_02 / ENG DL 2d / EN

Advanced modelling and professional data analysis with Tableau

The advanced Tableau training is designed for individuals who already have basic knowledge of Tableau Desktop or experience with other Business Intelligence tools and want to fully leverage Tableau's capabilities.
The course focuses on advanced data analysis techniques, calculations, interactivity, and dashboard design, enabling participants to create efficient, clear, and engaging analytical solutions.

Training recipients

This training is intended for:

- Business Intelligence specialists looking to expand their Tableau skills.
- Data analysts who want to move to a more advanced level of Tableau usage.
- Professionals seeking more efficient methods for processing, analyzing, and presenting data.

Benefits

1. Create advanced visualizations that enhance storytelling.
2. Prepare and clean low-quality data for correct and effective use in Tableau.
3. Explore forecasting and data segmentation options to better understand business outcomes.
4. Master data blending techniques.
5. Apply advanced filtering and controls for precise data analysis.
6. Build ergonomic, clear dashboards and stories that engage the audience.

Training program

1. Introduction
   - Tableau in the context of other BI tools
   - Overview of Tableau products and capabilities
   - Tableau product family and their roles
2. Advanced Data Models
   - Simple import from local sources (Excel, text files, databases, etc.)
   - LIVE vs. EXTRACT connections (performance vs. refreshing)
   - Role of physical tables (including UNION and JOIN)
   - Role of logical tables
   - Calculations when combining data
   - When to use Data Blending
   - Different file-saving options (with or without source data)
   - Using data from server data sources (SQL)
   - Data management: renaming fields, adding calculated columns
   - Data cleaning – Data Interpreter
3. Data Export
   - Data extracts
   - Packaged workbooks
   - Exporting to other formats
   - Tableau Reader
4. Creating Advanced Views and Charts
   - Dual-axis charts
   - Reference lines and bands
   - Clusters
   - Conditional formatting in tables
   - Visualizations combining multiple data sources
   - Using parameters
   - Groups
   - Bins
   - Context filters and filter order
   - Trend lines and forecasting
   - Advanced tooltip options
5. Advanced Calculations and Data Analysis
   - Row-level calculations
   - Numeric and text aggregations
   - Conditional calculations
   - Table Calculations: scope and direction
   - Advanced addressing and calculation direction

6. Level of Detail (LOD) Calculations
- FIXED
- INCLUDE
- EXCLUDE

7. Advanced Map Visualizations
- Geographical data and map visualization options
- Types of maps and customization
- Custom graphics as map alternatives
- Path-based visualizations (tracking over time)

8. Dashboard and Story Creation
- Combining and organizing visualizations
- Dashboard formatting
- Creating interactions using filters and actions
- Advanced actions: selection, URL, and image-based
- Cascading filters
- Stories as a form of data presentation

9. Best Practices
- Readability and ergonomics of visualizations and dashboards

Expected preparation of the participant

Basic knowledge and experience with Tableau, or advanced experience with another BI tool or Completion or Training Tableau_01

Duration

2 days / 14 hours

Language

Training: English