Tableau Calculations & LOD Expressions Training Course

Professional Development Training Course Outline

Category	Business Intelligence	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Tableau has emerged as a leading data visualization platform, enabling organizations to transform raw data into actionable insights with ease. Mastering Tableau Calculations and Level of Detail (LOD) expressions is crucial for data analysts, business intelligence professionals, and decision-makers who aim to derive accurate and granular insights from complex datasets. Tableau Calculations & LOD Expressions Training Course provides a comprehensive approach to understanding advanced Tableau functionalities, equipping learners with the ability to create dynamic, high-performing dashboards, and reports. Participants will gain hands-on experience in writing calculated fields, using table calculations, and implementing LOD expressions to solve real-world business challenges.

With a focus on practical applications, this training emphasizes the combination of analytical thinking and technical proficiency. Learners will explore industry-relevant scenarios and case studies, enhancing their capability to deliver precise and insightful visualizations. By the end of the course, participants will confidently manipulate data, perform in-depth analysis, and provide strategic recommendations that drive business growth. This training also focuses on optimizing data calculations for performance, improving efficiency, and enabling users to make data-driven decisions.

Programme Curriculum

Tableau Calculations & LOD Expressions Training Course

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Course Objectives

1. Understand the fundamentals of Tableau Calculations and LOD expressions.
2. Master basic and advanced calculated fields in Tableau.
3. Implement Level of Detail expressions for granular data analysis.
4. Perform row-level, aggregate, and table calculations.
5. Analyze complex datasets using nested and combined calculations.
6. Optimize Tableau dashboards with dynamic calculations.
7. Explore practical business scenarios using real-world case studies.
8. Apply date, string, and logical functions effectively.
9. Create conditional formatting with calculated fields.
10. Enhance performance with efficient LOD expressions.
11. Use visualization best practices with advanced calculations.
12. Integrate calculations with parameters for interactive dashboards.
13. Develop problem-solving skills for data-driven decision making.

Organizational Benefits

- Enhanced decision-making through accurate data analysis.
- Improved reporting efficiency with dynamic calculations.
- Ability to solve complex business problems using Tableau.
- Greater team productivity in business intelligence tasks.
- Accurate forecasting and trend analysis for strategic planning.
- Reduction in manual data manipulation errors.
- Optimization of dashboards for real-time insights.
- Improved data storytelling for executives and stakeholders.
- Strengthened analytical capabilities across departments.
- Better ROI on Tableau adoption and data analytics investments.

Target Audiences

1. Business Analysts
2. Data Analysts
3. Data Scientists
4. Tableau Developers
5. Business Intelligence Professionals
6. Project Managers with data responsibilities
7. Reporting Analysts

8. Decision-makers leveraging data insights

Course Duration: 5 days

Course Modules

Module 1: Introduction to Tableau Calculations

- Overview of Tableau calculation types
- Understanding calculated fields
- Syntax and function usage
- Practical exercises with sample datasets
- Common errors and troubleshooting
- Case study: Sales growth calculation for regional performance

Module 2: Basic Calculations

- Arithmetic and string operations
- Logical and conditional statements
- Date and time calculations
- Aggregated calculations
- Hands-on exercises with sample dashboards
- Case study: Profit margin analysis for a retail chain

Module 3: Table Calculations

- Understanding table calculations
- Running totals, moving averages, and percent of total
- Quick table calculations
- Custom table calculation formulas
- Practical exercises with datasets
- Case study: Monthly revenue trend analysis

Module 4: Level of Detail (LOD) Expressions

- Introduction to fixed, include, and exclude expressions
- Differences between row-level, aggregate, and LOD
- Syntax and practical examples
- Nested LOD expressions
- Best practices for performance
- Case study: Customer segmentation analysis

Module 5: Advanced Calculations

- Nested calculations and complex formulas
- Using parameters with calculations
- Dynamic calculations for interactive dashboards
- Conditional formatting with calculated fields
- Optimization tips for large datasets
- Case study: Sales target achievement dashboard

Module 6: Date, String, and Logical Functions

- Working with date functions in calculations
- String manipulation techniques
- Logical and boolean functions
- Combining multiple functions
- Hands-on exercises for practice
- Case study: Year-over-year product performance

Module 7: Practical Application of LOD Expressions

- Solving business problems with LOD
- Combining LOD with table calculations
- Analyzing multi-dimensional datasets
- Dynamic ranking and percentiles
- Hands-on exercises for real scenarios
- Case study: Store-level revenue contribution analysis

Module 8: Dashboard Integration with Calculations

- Using calculations in dashboards
- Dynamic dashboards with parameters and filters
- Performance optimization
- User interactivity with calculated fields
- Real-time analytics examples
- Case study: Executive-level KPI dashboard

Training Methodology

- Instructor-led interactive sessions
- Hands-on exercises with real datasets
- Step-by-step demonstrations for calculations and LOD expressions
- Practical case studies with business scenarios
- Group discussions and problem-solving sessions
- Continuous assessment through quizzes and exercises

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

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