



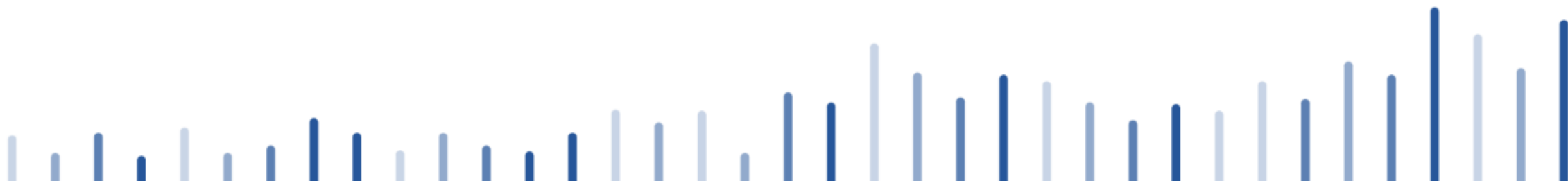
Leading the Way

A guided eLearning Journey

Intermediate Learning Path

Part 3: What is a LOD anyway? LODs and Table Calculations in Tableau

Wednesday, June 17, 2020



Welcome



Alison Dallenbach
Strategic Customer Success Manager



Paul Lisborg
Strategic Customer Success Manager

Today's Agenda

Introductions and Agenda	2 min
Review eLearning topics from week	2 min
New content to reinforce eLearning lesson -	45 min
Next steps in your eLearning study	1 min
Q&A	10 min

Leading the Way: A Guided eLearning Journey

During this series, you'll have the opportunity to:

- **Experience** a practical approach to eLearning with real world examples
- **Advance** your Tableau skills and ability to answer the most critical business questions with data
- **Connect** with your industry community and learn how to apply your new skills to common problems in your field

<https://www.tableau.com/learn/series/leading-way-guided-elearning-journey>



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As the global economy recovers, data skills will be in high demand. So, now is a great time to learn Tableau. To gain the ability to confidently answer the questions you have of your business' data during this unprecedented time, or build your skills for the future, we're giving you **90 days of free eLearning**.

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<https://www.tableau.com/learn/training/elearning>

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Desktop



Desktop Specialist

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ASSOCIATE

Desktop



Desktop Certified Associate

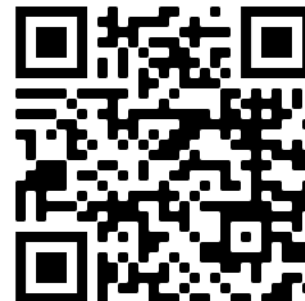
CERTIFIED
PROFESSIONAL

Desktop



Desktop Certified Professional

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Week	Beginner (Tuesdays)	Intermediate (Wednesday)	Advanced (Thursdays)
June 1 ✓	You + Tableau = Success: An introduction to Tableau Desktop Tuesday, June 2 - 10:00am PT Max DeLawyer	Visualize This: How visualization best practices ensure success Wednesday, June 3 - 10:00am PT Michael Warling/Sarah Nell-Rodriguez	Introduction to Advanced eLearning: Turning the Tables with Advanced Calculations and Set Actions Thursday, June 4 - 10:00am PT Eli Blankers / Rob Chapekis / Zach Wright
June 8 ✓	Show Me the Details: How Show Me, Dimensions, Measure, and Dashboards work Tuesday, June 9 - 10:00am PT Grace Runk	Set Up for Success: How sets and advanced calculations work in Tableau Wednesday, June 10 - 10:00am PT Kirk Munroe/Evan Payne	Leveling Up with Advanced LOD calculations Thursday, June 11 - 10:00am PT Scott Smith / Larry Clark for Relationships
June 15 	Sorting Things Out: A guide to organizing data via Filters, Parameters, and Sort in Tableau Tuesday, June 16 - 10:00am PT Kevin Donahue	What is an LOD, anyway? LODs and Table Calculations in Tableau - Wednesday, June 17 - 10:00am PT Paul Lisborg/Alison Dallenbach	Introduction to Time Analysis and Survey data Thursday, June 18 - 10:00am PT Mark Bradbourne
June 22	Keeping Things Straight: Best practices around Hierarchies, Groups, and Dates in Tableau Tuesday, June 23 - 10:00am PT Frannie Makabenta	The Art of Data Massage: Using Joins, Blends, Pivots, and Object Modeling Wednesday, June 24 - 10:00am PT Kelly Jones/Greg Walklet	Map This! Thursday, June 25 - 10:00am PT Angel Certeza / Will Watkins
June 29 (Mon-Wed)	Aggregate This: How calculations and aggregation work in Tableau Desktop Monday, June 29 - 10:00am PT Andrew Barker	Data Delivery: How to leverage filtering and best practices to tell a story with your data Tuesday, June 30 - 10:00am PT Francis Dejonckheere/Lindsey Carlsen	Dashboard Makeover Wednesday, July 1 - 10:00am PT Andrew Barker / Erik Teutsch (metrics demo)

eLearning Topics this week (June-15)



English

HOME > ANALYST > DESKTOP II INTERMEDIATE



Desktop II: Intermediate

Boost your solid Desktop skills: Modify data sources, build advanced charts, use complex calculations, and more.

START NOW

About This Course

Prefer to take Desktop II: Intermediate in a classroom setting? [Explore our classroom training options here.](#)

In this course, you will push your data analysis skills in Tableau Desktop to the next level. You'll determine when to create extracts and when to use joins, unions, and blends to modify data connections. You'll learn to filter across data sources and analyze subsets of data using context filters and sets. You'll go further with calculations, using LOD expressions and specifying options to control table calculations, and you'll do more with mapping. To enable analysis, you'll create parameters and user controls, and show data trends and forecasts, as well as data distributions. Round out your skills by designing dashboards that incorporate visual best practices.

Time Estimate:

10+ hours

Learning Objectives

At the end of this course, you will be able to:

- Combine data from multiple tables using joins and unions, and learn when to use blends.
- Use extracts to improve performance.
- Build advanced chart types, including bar-in-bar and bullet graphs.
- Use advanced calculations and table calculations to modify data as needed for analysis.
- Use statistical techniques to analyze your data.
- Use parameters and input controls to support audience analysis.
- Implement advanced geographic mapping techniques and use custom images and geocoding to build visualizations of non-geographic data.
- Build better dashboards using techniques for guided analytics, interactive dashboard design, and visual best practices.

Prerequisites

Desktop I and/or equivalent experience.

Curriculum

Controlling Table Calculations

- Module Overview
- Concept: Specifying Scope and Direction
- Demo: Controlling Scope and Direction
- Activity: Show Profitability as a Percent of Total

Using Level of Detail Expressions

- Module Overview
- Concept: Exploring Level of Detail Expressions
- Demo: Writing Calculations Fixed to a Dimension
- Activity: Calculate the Average Product Profit by Category



For next week

- Part 4: The Art of Data Massage (using Joins, Blends, Pivots, and Modeling)
- June 22, 2020 @ 1:00PM ET

eLearning Modules/Topics

- Joining Tables
- Blending Multiple Data Sources
- Using Unions to Combine Data

Additional Resources

Online Help

http://onlinehelp.tableau.com/current/pro/online/windows/en-us/calculations_calculatedfields_lod.html

Top 15 LOD Expressions

<http://www.tableau.com/LOD-expressions>

Understanding Level of Detail Expressions

http://www.tableau.com/sites/default/files/whitepaper_lod_eng_high.pdf

Tableau Level of Detail Calculations (VIDEO)

<https://www.youtube.com/watch?v=BnSF6i4MW0E>

Drawing with Numbers - Good listing of readings

<http://drawingwithnumbers.artisart.org/wiki/tableau/level-of-detail-lod-expressions/>

Content

