

Looker Developer Deep Dive

LookML not only serves as the foundation for visualization assets in Looker, but is also capable of dynamic aggregations, incrementally refreshed persistent derived tables, and more. In this course you will practice the skills to be an advanced Looker Developer through guided lectures and independent exercises using sample data.

**DURATION**

2 days

**LEVEL**

300 - Advanced

**FORMAT**

Instructor-led

What you'll learn

- Customize and incrementally refresh SQL and native derived tables
- Incorporate Liquid for dynamic SQL, formatting, templated filters, and parameters in Looker
- Use extends and refinements in Looker to modularize and organize your LookML
- Troubleshoot LookML code and improve performance
- Apply Looker best practices to your LookML projects
- Manage Looker deployments using DevOps practices
- Embed Looker content into web applications

Overview	7 modules · 6 labs
Who this course is for	• Customers
Products	• Looker • Looker Modeler • Looker Data Explorer
Prerequisites	• Completion of the "Developing Data Models with LookML" course or the equivalent experience in using LookML for development in Looker.

Module 01 [Looker Admin and LookML Fundamentals](#)

Topics	• Looker Review • Roles and User Attributes • Connecting to a Database • LookML Review
Objectives	• Review key concepts of Looker and LookML development • Describe roles and user attributes in Looker • Explain how to connect your Looker instance to a database

Module 02 [Diving Deeper into Derived Tables](#)

Topics	• Understanding Derived Tables • Adding Persistence • Refreshing Incrementally • PDTs and Performance
Objectives	• Define derived tables and advantages of native derived tables • Maintain derived tables in Looker • Describe performance implications of different PDT options
Activities	• Lab: Extending LookML with PDTs and Aggregate Tabl

Module 03

Creating Dynamic LookML with Liquid

Topics

- Core Liquid Concepts and Syntax
- Custom Links, Drills, and Formatting
- Templated Filters, Parameters and Dynamic SQL

Objectives

- Describe core Liquid templating concepts and syntax within LookML
 - Configure custom links, external drills, and dynamic field formatting
 - Implement templated filters and interactive parameters to generate dynamic SQL
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Module 04

Creating Modular LookML

Topics

- Extensions
- Refinements
- Manifests and Localization

Objectives

- Use extends and refinements in Looker to modularize and organize your LookML
 - Implement localization into your LookML models
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Module 05

Testing, Debugging and DevOps

Topics

- Leverage your IDE
- Debugging and Common Errors
- Data Tests
- Looker and DevOps

Objectives

- Utilize the Looker IDE to ease development and debugging of LookML.
 - Write data tests to ensure validity of your Looker dashboards
 - Understand DevOps best practices in Looker
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Module 06

Looker Best Practices

Topics

- Looker Best Practices
- Improving Performance

Objectives

- Understand Looker best practices
 - Implement best practices in LookML to improve performance
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Module 07

Embedded Looker Analytics

Topics

- Explore Embedded Looker Options
- Using Private and SSO Embedding

Objectives

- Explore options for embedding Looker content
- Understand how to use private and SSO embedding