






Analyzing and Visualizing Data in Looker

In this course, you learn how to do the kind of data exploration and analysis in Looker that would formerly be done primarily by SQL developers or analysts. Upon completion of this course, you will be able to leverage Looker's modern analytics platform to find and explore relevant content in your organization's Looker instance, ask questions of your data, create new metrics as needed, and build and share visualizations and dashboards to facilitate data-driven decision making.

 **DURATION**
1 day

 **LEVEL**
Beginner

 **FORMAT**
ILT

What you'll learn

- Define Looker and the capabilities it provides for working with data
- Explain the four core analytical concepts in Looker (dimensions, measures, filters, pivots)
- Use dimensions, measures, filters, and pivots to analyze and visualize data
- Create advanced metrics instantaneously with table calculations
- Create dashboards to combine and share visualizations
- Utilize folders and boards in Looker to organize content for navigability and discoverability



Overview	5 Modules · 2 Labs · 11 Demos · 2 Quizzes
Who this course is for	<ul style="list-style-type: none">• Business users who need to draw insights from data.• Data analysts who are responsible for data analysis and visualization within their organizations.
Products	Looker
Not covered	<ul style="list-style-type: none">• LookML (Looker Modeling Language)• Looker admin features and functions

Module 01 Introduction to Looker

Topics	Looker interface and components
Objectives	<ul style="list-style-type: none">• Define Looker and the capabilities it provides for working with data• Navigate the Looker interface to access data and functionality
Activities	1 demo

Module 02 Core Analytics Concepts

Topics	Dimensions, measures, filters, pivots
Objectives	<ul style="list-style-type: none">• Explain the four core analytical concepts in Looker (dimensions, measures, filters, pivots)• Use dimensions to access data attributes• Use measures to aggregate data attributes• Combine dimensions and measures for richer data analysis and visualization• Filter dimensions and measures to analyze a subset of the data• Use pivots to restructure and group data
Activities	4 demos, 1 quiz, 1 lab

Module 03 Table Calculations

Topics	Table calculations, offset functions
Objectives	<ul style="list-style-type: none">• Explain how table calculations and offset functions are used to work with data in Looker• List the types of table calculations and offset functions available in Looker



Objectives	<ul style="list-style-type: none">• Create new metrics instantaneously with table calculations and offset functions
Activities	4 demos, 1 quiz, 1 lab

Module 04 Dashboards

Topics	Looker dashboards, data delivery options
Objectives	<ul style="list-style-type: none">• Understand how to use dashboards in Looker to share data and results with stakeholders• Create dashboards to visualize multiple aspects of a business topic or domain• Add new content to an existing dashboard• Add filters to a dashboard for flexible analysis of a subset of the data• Deliver data outside of Looker for access by other stakeholders or systems
Activities	1 demo

Module 05 Content Management

Topics	Looker content organization, folders, boards
Objectives	<ul style="list-style-type: none">• Explain how to use folders in Looker to organize content for navigability and discoverability• Create and share boards to centralize content pertaining to one topic or theme
Activities	1 demo

