Analyzing and Visualizing Data in Looker

Category: AI, Data & Analytics | **Vendor:** Google Cloud

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

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. You learn to leverage Looker's modern analytics platform to find and explore relevant content in your organization’s Looker instance. You also discover how to ask questions of your data, create new metrics as needed, and build and share visualizations and dashboards to facilitate data-driven decision-making.

About This Course

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. You learn to leverage Looker's modern analytics platform to find and explore relevant content in your organization’s Looker instance. You also discover how to ask questions of your data, create new metrics as needed, and build and share visualizations and dashboards to facilitate data-driven decision-making.

Who Should Attend

- Business users who need to draw insights from data.
- Data analysts who are responsible for data analysis and visualization within their organizations.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Define Looker and the capabilities it provides for working with data.
- Use dimensions, measures, and filters to analyze and visualize data.
- Use dashboards for multiple visualizations and boards to curate Looker content.
- Create advanced metrics by pivoting Looker data and writing table and offset calculations.
- Create visualizations using Looks and dashboards, and share Looker content with others.

Detailed Course Outline

Module 1 - The Looker Platform

Topics:

- What is Looker?
- Looker user interface
- Organizing content with folders

Objectives:

- Define the value proposition of the Looker platform.
- Explain Looker’s role in the data analysis process.
- Describe Looker's main user interface components.
- Interpret Looker’s hierarchical folder structure for content.
- Discuss different content locations within the Looker platform.

Activities:

- 1 quiz

Module 2 - Data Analysis Building Blocks

Topics:

- Dimensions in Looker
- Measures in Looker
- Using dimensions and measures
- Filtering dimensions
- Filtering measures

Objectives:

- Define the purpose of a dimension and measure in Looker.
- Identify where end users work with dimensions, measures, and filters.
- Explain how dimensions, and filters contribute to the larger data analysis process in Looker.
- Identify what asset a dimension corresponds to in your database.
- Identify what SQL functions a measure can correspond to.
- Explain how to filter by a dimension.

Activities:

- 3 demos, 1 lab, 1 quiz

Module 3 - Working with Looker Content

Topics:

- Filtering Looks
- Introducing dashboards
- Filtering dashboards
- Curating Looker content in boards

Objectives:

- Explain how to filter within a Look and a dashboard.
- Identify where users can work with dashboards and boards, and filter within Looks and dashboards.
- Explain how dashboards, boards, and filtering can contribute to the data analysis process.
- Define the purpose of a dashboard.
- Explain what a board is in Looker.
- Detail the process of creating a board.
- Detail the process for pinning Looks and dashboards to a board.

Activities:

- 1 demo, 1 quiz

Module 4 - Customizing Explores

Topics:

- Pivoting data in Looker
- Introduction to table calculations
- Types of table calculations
- Writing table calculations
- Introducing offset functions

- Writing offset calculations

Objectives:

- Explain the process of pivoting data.
- Identify where users can pivot data, write table calculations, and write offset calculations.
- Identify situations to consider pivoting data and writing a new table calculation.
- Explain how pivoting data, writing table calculations, and writing offset calculations can contribute to the data analysis process.
- Differentiate between a table calculation and an offset calculation.
- Discuss the various types of table calculations.
- Detail the process to write table calculations and offset calculations.

Activities:

- 4 demos, 1 quiz

Module 5 - Creating New Looker Content

Topics:

- Creating new Looks
- Creating new dashboards

Objectives:

- Explain how to create a new Look and dashboard in Looker.

- Identify where users can create new Looks and dashboards.

Activities:

- 1 quiz

Module 6 - Sharing Looker Data with Others

Topics:

- Sharing and scheduling Looks
- Sharing and scheduling dashboards
- Tile-level dashboard alerts

Objectives:

- List the options to share Looks and dashboards once or with a regular schedule.
- Identify where users can send or schedule Looks and dashboards, and configure tile-level dashboard alerts.
- Explain how to configure a shared or scheduled Look or dashboard.
- Discuss how to choose options that are appropriate for a given situation or business case.
- Identify the options to schedule a tile-level dashboard alert.

Activities:

- 1 quiz, Introduction to Looker, Core Analytics Concepts, Table Calculations, Looks and Dashboards, Content Management

Skills You Will Learn:

- Define Looker and the capabilities it provides for working with data.
- Use dimensions, measures, and filters to analyze and visualize data.
- Use dashboards for multiple visualizations and boards to curate Looker content.
- Create advanced metrics by pivoting Looker data and writing table and offset calculations.
- Create visualizations using Looks and dashboards, and share Looker content with others.

Frequently Asked Questions

Q: What delivery options are available for Analyzing and Visualizing Data in Looker?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day Analyzing and Visualizing Data in Looker course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Analyzing and Visualizing Data in Looker training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Analyzing and Visualizing Data in Looker?

Yes, we provide corporate training, dedicated training, and closed classes for Analyzing and Visualizing Data in Looker. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Analyzing and Visualizing Data in Looker, Data Analysis, AVDL, Google Cloud, vILT

Q: Why choose Nexus Human for Analyzing and Visualizing Data in Looker?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Analyzing and Visualizing Data in Looker training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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