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GCP-AVDL: Analyzing and Visualizing Data in Looker

Course Code: GCP-AVDL
Duration: 1 day
Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

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. 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.

SKILLS COVERED

- 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 and share visualizations using Looks and dashboards
- Utilize folders and boards in Looker to manage and organize content

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.

PREREQUISITES

There are no prerequisites required to attend this course.

MODULES

Module 1: Introduction to Looker

- Looker user interface and components
- Define Looker and the capabilities it provides for working with data
- Navigate the Looker user interface to access data and functionality

Module 2: Core Analytics Concepts

- Dimensions, measures, filters, pivots

Objectives

- 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

Module 3: Table Calculations

- Table calculations, offset functions

Objectives

- 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
- Create new metrics instantaneously with table calculations and offset functions

Module 4: Looks and Dashboards

- Looks, Looker dashboards, data delivery options

Objectives

- Explain how to create and deliver Looks and dashboards in Looker to share results with stakeholders
- Create and share standalone visualization reports called Looks
- Create and share dashboards to combine multiple visualizations for a business topic or domain
- Add new content to an existing dashboard
- Add filters to a Look or dashboard for flexible analysis of a subset of the data
- Deliver data outside of Looker for access by other stakeholders or systems

Module 5: Content Management

- Looker content organization, folders, boards

Objectives

- Use folders in Looker to organize content for navigability and discoverability
- Create and share boards to centralize content that lives in different folders in a Looker instance

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