Looker Bootcamp: Analyzing and Visualizing Data with Looker

Duration: *2 Day(s)*

Course Overview

Discover the power of data analytics and visualization with our hands-on, two-day introductory course Looker Bootcamp: Analyzing and Visualizing Data with Looker. Designed for professionals who want to unlock valuable insights from their data, this immersive training experience will guide you through Looker's cutting-edge features and provide you with the essential skills to create engaging, interactive, and insightful reports and dashboards. Our experienced trainers will take you on a journey from the fundamentals of Looker and its unique data modeling language, LookML, to advanced visualization techniques and content organization strategies, ensuring you leave the course equipped to make data-driven decisions with confidence.

Throughout the course, you will have the opportunity to participate in practical exercises and workshops that will help you apply the concepts and techniques learned in real-world scenarios. You will explore the potential of Looker's Explores, dive into LookML's capabilities, and master the art of dashboard design and sharing. Learn how to organize and manage your content with folders and boards and harness the power of advanced visualization techniques to make your data come alive.

Review this course online at https://www.alta3.com/courses/TTDVLK02

Objectives

- Understand Looker's platform and interface for improved data navigation.
- Develop expertise in LookML for customized data models.
- Create and customize Explores for data analysis and insight generation.
- Design and share dashboards effectively to inform stakeholders.

Who Should Attend

- Data Analysts
- Business Analysts
- Data Engineers
- Product Managers
- Marketing Analysts
- Data Science Team Leads
- Project Managers

Prerequisites

To ensure a smooth learning experience and maximize the benefits of attending this course, you should have the following prerequisite skills:

· Basic computer literacy: Participants should be comfortable using computers and navigating software applications, as well as basic file management and organization.

· Fundamental understanding of data concepts: Attendees should have a basic understanding of data concepts such as tables, columns, rows, data types, and primary/foreign keys.

· Familiarity with databases and SQL (helpful, not required): Participants should have a basic understanding of relational databases and some experience with SQL, including SELECT statements, JOINs, and WHERE clauses.

· Basic spreadsheet skills: Attendees should be comfortable working with spreadsheets (e.g., Microsoft Excel or Google Sheets) for data manipulation, filtering, and sorting.

· Foundational knowledge of data visualization: Participants should be familiar with common chart types and their use cases (e.g., bar charts, line charts, pie charts, etc.), as well as basic principles of effective data visualization.

Course Outline

Introduction to Looker and Data Analysis

1. Overview of Looker and its key features
2. Navigating the Looker interface
3. Looker terminology and basic concepts
4. Lab: Navigating the Looker Interface

Connecting to Data Sources

5. Setting up and managing data connections
6. Exploring database schemas
7. Understanding LookML: Looker's data modeling language
8. Lab: Connecting and Exploring Data Sources

Creating and Customizing Explores

9. Building and customizing Explores

10. Adding dimensions, measures, and filters
11. Creating calculated fields
12. Saving and organizing Explores
13. Lab: Create an Explore from scratch

Data Visualization

14. Creating visualizations using Looker's library
15. Customizing chart types, colors, and labels
16. Displaying visualizations in dashboards
17. Introduction to Looker's API for custom visualizations
18. Lab: Creating Data Visualizations

Advanced Looker Techniques and Applications

19. LookML refresher and best practices
20. Creating derived tables and data transformations
21. Managing access controls and permissions
22. Lab: Write advanced LookML code

Organizing and Sharing Content with Folders and Boards

23. Introduction to folders and boards in Looker
24. Creating and managing folders
25. Setting up boards for content discovery
26. Sharing folders and boards
27. Lab: Set up and manage folders and boards

Dashboard Design and Sharing

28. Best practices for dashboard design
29. Adding, arranging, and resizing visualizations
30. Scheduling and exporting dashboard data
31. Lab: Build an interactive dashboard

Advanced Visualization Techniques

32. Customizing visualizations with HTML, CSS, and JavaScript
33. Creating interactive visualizations using Looker's API
34. Integrating Looker visualizations with other tools
35. Lab: Advanced Visualization Techniques

Hands-on Workshop and Project

36. Participants work on a guided project

37. Summary & Continued Learning Resources review