

Updated 05/03/2024

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# Looker training: Data analysis and visualization

2 days (14 hours)

## Presentation

[Looker](#) is a data analysis software package for businesses and professionals, making it easy to find, explore and understand the data powering their businesses. This tool is perfect for Business Intelligence (BI) Analysts.

This package offers APIs for integration with other IT applications such as Google Analytics, MySQL and Dropbox.

The tool is chosen by thousands of customers worldwide, and offers many advantages:

- Easy, large-scale customization of reports
- Managed query environment
- On-line analytical processing
- Semantic and textual analysis
- Administration via Windows/MacOS application/web interface.
- Live connection to external data

Our Looker training course will enable you to learn more about the different functionalities and architecture of the product. You'll learn how to manage your data and be able to use the tool for its visualization functions.

For this course, we'll be using the latest version of [Looker 24](#).

## Objectives

- Identify the benefits of Looker and Business Intelligence tools
- Identify different use cases
- Understanding Looker's architecture
- Instantly create advanced metrics with table calculations
- Create and share visualizations using Looks and dashboards

- Use Looker folders and tables to manage and organize content

## Target audience

- Data Analysts
- Consultants
- Business Analysts
- Data Scientists
- Project Manager

## Prerequisites

- General Excel and database skills
- Have a Google account

## Looker training program

### Introduction

- The importance of Business Intelligence
- Looker features
- The latest additions to the tool
- Interface presentation
- Data schemas
- The different objects

### Analytical concepts

- Dimensions in Looker
- Measurements
- Filters
- The pivots
- [PRACTICE] Using dimensions, measures, filters and pivots to analyze and visualize data

### Table calculations

- Introduction to table calculations
- The different types of calculation tables
- [PRACTICE] Writing and viewing table calculations
- Types of offset calculations
- [PRACTICE] Writing and viewing offset calculations

### Looks and dashboards

- Introducing Looks and the various dashboards
- Looks creation
- Adding filters to a presentation
- Data delivery from Looks
- [PRACTICE] Creating and modifying dashboards
- Data delivery from dashboards

## Content management

- Organizing content with folders
- Creating and browsing tables

## LookML basics

- Introducing LookML
- Explore the LookML environment
- The different elements
- The fields
- The views
- The models
- Dimension and measurement fields
- The different types of dimensions

## Advanced looker

- Create advanced metrics instantly with table calculations
- Create different dashboards to combine and share visualizations
- Use of multiple folders and tables in Looker to organize content for navigability and more advanced discovery.

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire enabling us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives with regard to the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.