Introduction to Data Analytics on Google Cloud

Duration: 1 Day Course Code: GO9094 Delivery Method: Company Event

Overview:

This course is an introduction to data analytics on Google Cloud.

This course covers the basics of data analysis, including collection, storage, exploration, visualization, and sharing.It also introduces learners to Google Cloud's data analytics tools and services.Through video lectures, demos, quizzes, and hands-on labs, the course demonstrates how to go from raw data to impactful visualizations and dashboards.

Products:
- BigQuery
- Looker
- Looker Studio

Updated July 2026

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

- Data analysts

Objectives:

- **After this course participants should be able to:**
- Describe the data analytics workflow on Google Cloud and summarize the different types of analytics.
- Identify Google Cloud data analytics products and describe how each is used to work with data.
- Describe data sources, data structures, and data storage options in Google Cloud.
- Use BigQuery, Looker, and Looker Studio to answer data questions and influence business decisions.

Prerequisites:

- Basic familiarity with SQL
- Basic understanding of data concepts such as data types (relational, non-relational) and storage (data lakes, data warehouses)

Testing and Certification

None

Follow-on-Courses:

No recommendation

Content:

Module 01 : Understand the Data Analytics Lifecycle on Google Cloud

- Detail and describe the data analytics workflow on Google Cloud.
- Compare and contrast data sources and storage methods available in Google Cloud.
- Compare how different data types can be used for data analytics.

Module 02 : Explore Data and Extract Insights by Using BigQuery

- Describe BigQuery and the BigQuery solution architecture.
- Derive insights from data by using BigQuery.
- Use the BigQuery user interface to run basic queries.
- Lab 1: BigQuery Qwik Start: Console
- Lab 2: Introduction to SQL for BigQuery and Cloud SQL
- Lab 3: BigLake: Qwik Start
- Lab 4: Analyze data with Gemini Assistance
- Quizz

Module 03 : Make Data-Driven Decisions by Using Looker

- Manipulate a Looker Explore to answer data-driven questions.
- Create a situation-appropriate visualization to highlight the answer for a datadriven question.
- Choose between Looker and Looker Studio for data visualization and sharing.
- Share visualizations with others.
- Lab 1: Looker Data Explorer—Qwik Start
- Lab 2: Looker Data Studio—Qwik Star
- Quiz

Module 4: Course Summary

- Find resources for additional learning and support.

Additional Information:

Official course book provided to participants

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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