Introduction to Data Analytics on Google Cloud

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

This course is an introduction to data analytics on Google Cloud. It is designed for learners who have no prior experience with data analytics or Google Cloud. The 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.

About This Course

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Who Should Attend

Data analysts

Prerequisites & Entry Requirements

General Prerequisites:

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

Learning Outcomes

Upon successful completion of this course, participants will 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.

Detailed Course Outline

Module 1 - Understand the Data Analytics Lifecycle on Google Cloud

Topics:

- Data analytics workflow
- Data sources
- Storage methods
- Google Cloud data analytics products
- Data types

Objectives:

- 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.

Activities:

- Quiz

Module 2 - Explore Data and Extract Insights by Using BigQuery

Topics:

- BigQuery services, capabilities, and organization
- Data storage
- Basic SQL
- Answering data-driven questions

Objectives:

- Describe BigQuery and the BigQuery solution architecture.
- Derive insights from data by using BigQuery.
- Use the BigQuery user interface to run basic queries

Activities:

- 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
- Quiz

Module 3 - Make Data-Driven Decisions by Using Looker

Topics:

- Looker data exploration terms and concepts

- Looks and dashboards

- Visualizations

- Report sharing

- Looker Studio

Objectives:

- 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.

Activities:

- Lab 1: Looker Data Explorer—Qwik Start

- Lab 2: Looker Data Studio—Qwik Start

- Quiz

Module 4 - Course Summary

Topics:

- Topic review

- Slides

Objectives:

- Find resources for additional learning and support., Understand the Data Analytics Lifecycle on Google Cloud, Explore Data and Extract Insights by Using BigQuery, Make Data-Driven Decisions by Using Looker

Skills You Will Learn:

- 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.

Frequently Asked Questions

Q: What delivery options are available for Introduction to Data Analytics on Google Cloud?

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 Introduction to Data Analytics on Google Cloud 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 Introduction to Data Analytics on Google Cloud 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 Introduction to Data Analytics on Google Cloud?

Yes, we provide corporate training, dedicated training, and closed classes for Introduction to Data Analytics on Google Cloud. 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: Introduction to Data Analytics on Google Cloud, Data Analysis, IDAGC, Google Cloud, vILT

Q: Why choose Nexus Human for Introduction to Data Analytics on Google Cloud?

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 Introduction to Data Analytics on Google Cloud 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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