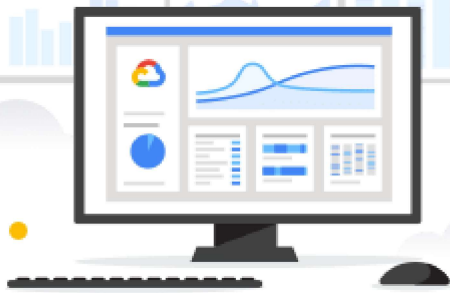


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GO TO PAGE (#)



Data engineering and smart analytics

The need for data analysis skills grew by 86% from 2013 to 2018. ¹

(https://www.burning-glass.com/wp-content/uploads/hybrid_jobs_2019_final.pdf) Become data-driven with Google Cloud. Leverage data and gain real-time insights that improve your decision-making and accelerate innovation. Learn how to design and build data processing systems.

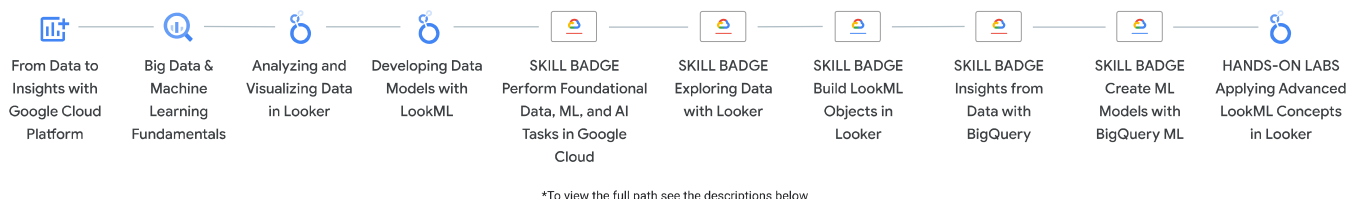
Pick your path ▼

[\(#DATA-ANALYST-LEARNING-PATH\)](#)

Data Analyst learning path

The role of a Data Analyst can vary depending on what type of industry they're in or which part of their organization they are supporting. Data Analysts gather data, analyze that data and

GO TO PAGE (#)



COURSE

From Data to Insights with Google Cloud Platform

Want to know how to query and process petabytes of data in seconds? Curious about data analysis that scales automatically as your data grows? Data to Insights in Google Cloud features interactive scenarios and hands-on labs where you can explore, mine, load, visualize, and extract insights from diverse BigQuery datasets.

Learn more (/training/course/data-to-insights)

COURSE

Big Data & Machine Learning Fundamentals

Get started with big data and machine learning. This course provides an introduction to Google Cloud capabilities and a deeper dive of the data processing capabilities.

This course is recommended for Data and Business Analysts interested in getting started in developing data engineering skills.

Learn more (/training/course/data-ml-fundamentals)

GO TO PAGE (#)



COURSE



Analyzing and Visualizing Data in Looker

Explore Looker's capabilities for getting the most insight out of your data. This course offers guided demos that give you practical experience with Looker's data exploration, analysis and visualization functionalities.

Learn more (/training/course/analyzing-and-visualizing-data-in-looker)



COURSE



Developing Data Models with LookML

Go deeper with your Looker knowledge. Learn about writing LookML code, as well as how to make data accessible and interpretable for business users.

Learn more (/training/course/developing-data-models-with-look-ml)



SKILL BADGE



Perform Foundational Data, ML, and AI Tasks in Google Cloud

Get started with big data, machine learning, and artificial intelligence. Take your first steps with Google Cloud tools like BigQuery, Cloud Speech API, and AI Platform. You'll have the opportunity to earn a Google Cloud skill badge upon completion.

Learn more (https://cloudskillsboost.google/quests/117?utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml)



SKILL BADGE



Exploring Data with Looker

Learn the fundamentals of data exploration in Looker and how to apply that knowledge using

GO TO PAGE (#)



receive a Google Cloud skill badge.

Learn more (https://cloudskillsboost.google/quests/165?utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml)



SKILL BADGE



Build LookML Objects in Looker

Get practice with the basics of Looker from designing, building, and updating dimensions and measures. You'll also learn how to create, refine, and join existing Explores. Complete this quest for the opportunity to earn a Google Cloud skill badge.

Learn more (https://www.cloudskillsboost.google/quests/187?utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml)



SKILL BADGE



Insights from Data with BigQuery

Learn about BigQuery's basic features like writing SQL queries, creating database tables in Cloud SQL, querying public tables, and much more. You'll have the opportunity to earn a Google Cloud skill badge upon completion.

Learn more (https://cloudskillsboost.google/quests/123?utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml)



SKILL BADGE

Create ML Models with BigQuery ML

What makes a good machine learning model? Learn how to create and evaluate machine learning models as well as make predictions using BigQuery ML. Prove your knowledge by completing the quest and sharing your skill badge.

[GO TO PAGE \(#\)](#)

HANDS ON LAB

Applying Advanced LookML Concepts in Looker

Get hands-on experience applying advanced LookML concepts in Looker. Use Liquid to customize and create dynamic dimensions and measures, create dynamic SQL derived tables and customized native derived tables, and use extends to modularize your LookML code.

Learn more (https://www.cloudskillsboost.google/quests/182?utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml)



HANDS ON LAB

Data Catalog Fundamentals

Data Catalog is a fully managed and scalable metadata management service that empowers organizations to quickly discover, understand, and manage all of their data. Learn how to search and tag data assets and metadata with Data Catalog and discover how to build MySQL, PostgreSQL, and SQLServer to Data Catalog Connectors.

Learn more (https://cloudskillsboost.google/quests/134?utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml)



Related information



What you'll learn

GO TO PAGE (#)



Courses

4



Labs

40

Take the next step

SKILL BADGES

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Resources skill badge**

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[_\(/training/course/getting-started-create-and-manage-cloud-resources\)](https://cloud.google.com/training/course/getting-started-create-and-manage-cloud-resources)



Additional courses and practice



Engineer Data in Google Cloud

GO TO PAGE (#)



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started utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml)



Scientific Data Processing

Use real-life, scientific data sets in tasks like earthquake data analysis and satellite image aggregation.

Get (https://cloudskillsboost.google/quests/28?
started utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml)



Data Science on Google Cloud

Practice all aspects of ingestion, preparation, processing, querying, exploring, and visualizing data sets using Google Cloud tools and services.

Get (https://cloudskillsboost.google/quests/43?)

started [utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml](#))



Building Codeless Pipelines on Cloud Data Fusion

Get acquainted with the Cloud Data Fusion UI, try running batch and realtime pipelines, and practice

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started [utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml](#))



Building Advanced Codeless Pipelines on Cloud Data Fusion

Dive deeper into advanced data integration features available in Cloud Data Fusion and learn best practices to build more robust, reusable, dynamic pipelines.

Get ([https://cloudskillsboost.google/quests/131?](https://cloudskillsboost.google/quests/131?utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml)
started [utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml](#))



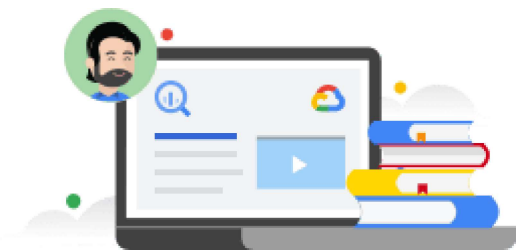
Industrial IoT on Google Cloud Platform

This course is a starting point for anyone interested in Industrial applications of the Internet of Things (IoT). The course covers IoT architecture, sensors and devices, connecting to Google Cloud, ingesting, processing, and analyzing IoT data.

Register for course (</training/course/iiot-google-cloud-platform>)

Cloud OnBoard: Unleash Your Data Potential

GO TO PAGE (#)



With the right data skills, the sky's the limit. Expand yours at Cloud OnBoard: Unleash Your Data Potential, a free instructor-led training event. Explore the fundamentals of data analysis, machine learning, and data processing, then learn how to harness the full power of BigQuery.

Register (https://cloudonair.withgoogle.com/events/cloud-onboard-data-fundamentals?utm_source=google_owned_website&utm_medium=et&utm_campaign=-now&utm_content=cgc-training-cob-data-fundamentals&utm_term=-)

Digital events and webinars

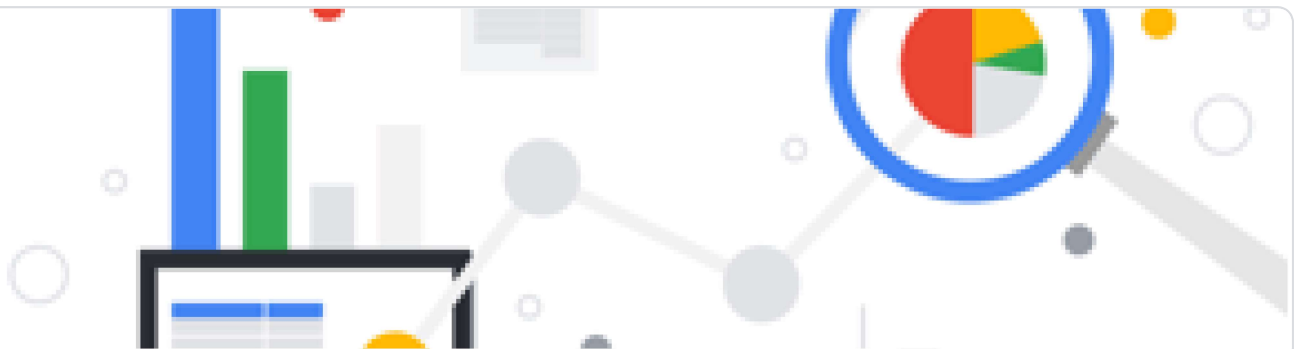


WEBINAR

GO TO PAGE (#)**Datasets watch on-demand**

(https://cloudonair.withgoogle.com/events/health-datasets?utm_source=google&utm_medium=website&utm_content=cgc-training-data-science-public-health)

Resources



Solve this month's BigQuery data challenge

Take the challenge

(https://inthecloud.withgoogle.com/bigquery-weekly/register.html?utm_source=google&utm_medium=website&utm_content=cgc-training-bq-data-challenge)

GO TO PAGE (#) 

10 top tips: Unleash your BigQuery superpowers

Read blog (/blog/products/data-analytics/top-bigquery-superpowers-for-cloud-data-analytics)



Start making business decisions backed by data with Looker

Go to Looker training (<https://training.looker.com/>)



Data Analytics

Explore Google Cloud documentation for Data Analytics

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GO TO PAGE (#)



Databases

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GO TO PAGE (#)



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