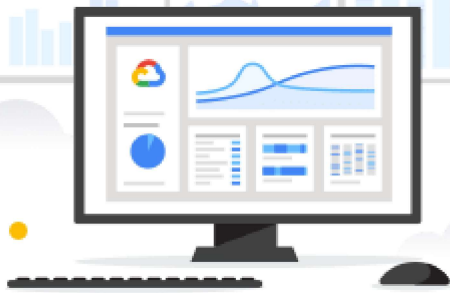


Accelerate your learning and growth with Google Cloud Innovators. Join now ([/innovators](#))

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# Data engineering and smart analytics

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

([https://www.burning-glass.com/wp-content/uploads/hybrid\\_jobs\\_2019\\_final.pdf](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 ▼

## Database Engineer learning path

A Database Engineer helps enterprise customers architect, plan, execute, and test database migration.

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Developing  
Applications on  
Google Cloud



Enterprise  
Database  
Migration



Migrating MySQL  
data to Cloud SQL  
using Database  
Migration Service



SKILL BADGE  
Manage PostgreSQL  
Databases on Cloud  
SQL



COURSE

### Developing Applications on Google Cloud

Design, develop, and deploy applications that seamlessly integrate components from the Google Cloud ecosystem. This course is ideal for developers who want to build cloud-native applications or redesign existing applications that will run on Google Cloud. Learn to use Google Cloud services and pre-trained machine learning APIs to build secure, scalable, and intelligent cloud-native applications.

[Learn more \(/training/course/developing-applications\)](/training/course/developing-applications)



COURSE

### Enterprise Database Migration

Develop the skills required to help enterprise customers architect, plan, execute, and test database migration projects. Learn how to move databases to Google Cloud while taking

advantage of various Google Cloud services.

**Learn more** (/training/course/enterprise-database-migration)



HANDS ON LAB

## Migrating MySQL data to Cloud SQL using Database Migration Service

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the Cloud Console, and migrate MySQL databases to Cloud SQL. Learn this and more while using different job types and connectivity options available in Database Migration Service.

**Learn more** ([https://cloudskillsboost.google/quests/161?utm\\_source=gcp\\_training&utm\\_medium=website&utm\\_campaign=cgc-dataml](https://cloudskillsboost.google/quests/161?utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml))



SKILL BADGE

## Manage PostgreSQL Databases on Cloud SQL

This quest features labs that will teach you how to migrate, configure, and optimize running a PostgreSQL database on Cloud SQL for PostgreSQL.

**Learn more** ([https://www.cloudskillsboost.google/quests/186?utm\\_source=gcp\\_training&utm\\_medium=website&utm\\_campaign=cgc-dataml](https://www.cloudskillsboost.google/quests/186?utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml))



### Related information



What you'll learn

Compute Engine, Cloud SQL, and other assorted topics



Courses

2



Labs

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## Take the next step

**HANDS ON** **LAB** ([https://cloudskillsboost.google/quests/52?utm\\_source=gcp\\_training&utm\\_medium=website&utm\\_campaign=cgc-dataml](https://cloudskillsboost.google/quests/52?utm_source=gcp_training&utm_medium=website&utm_campaign=cgc-dataml)).

**Cloud**

**SQL**

[Read  
more](#)

## Additional courses and practice



### Engineer Data in Google Cloud

Prepare for certification with practice in BigQuery, Dataprep, Cloud Composer, Tensorflow, and more.

**Get** (https://cloudskillsboost.google/quests/132?  
**started** utm\_source=gcp\_training&utm\_medium=website&utm\_campaign=cgc-dataml)



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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 using the built-in Wrangler plugin to transform your data.

**Get** (https://cloudskillsboost.google/quests/130?  
**started** utm\_source=gcp\_training&utm\_medium=website&utm\_campaign=cgc-dataml)



### Building Advanced Codeless Pipelines on Cloud Data Fusion

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practices to build more robust, reusable, dynamic pipelines.

**Get** (https://cloudskillsboost.google/quests/131?  
**started** utm\_source=gcp\_training&utm\_medium=website&utm\_campaign=cgc-dataml)

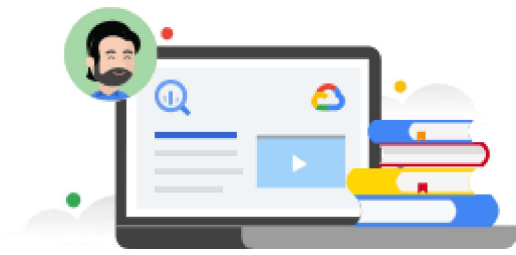


### Industrial IoT on Google Cloud Platform

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



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

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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

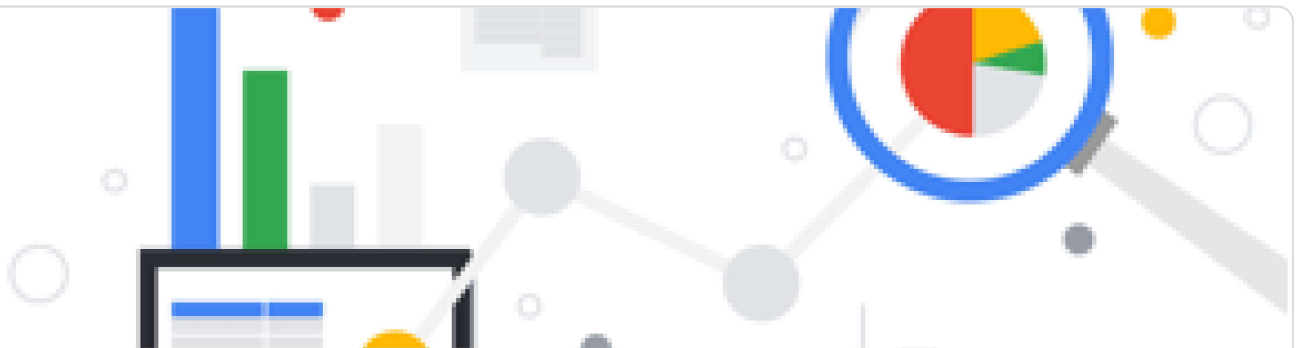


WEBINAR

**Data science for Public Health: Working with public COVID-19 datasets** **Watch on-demand**

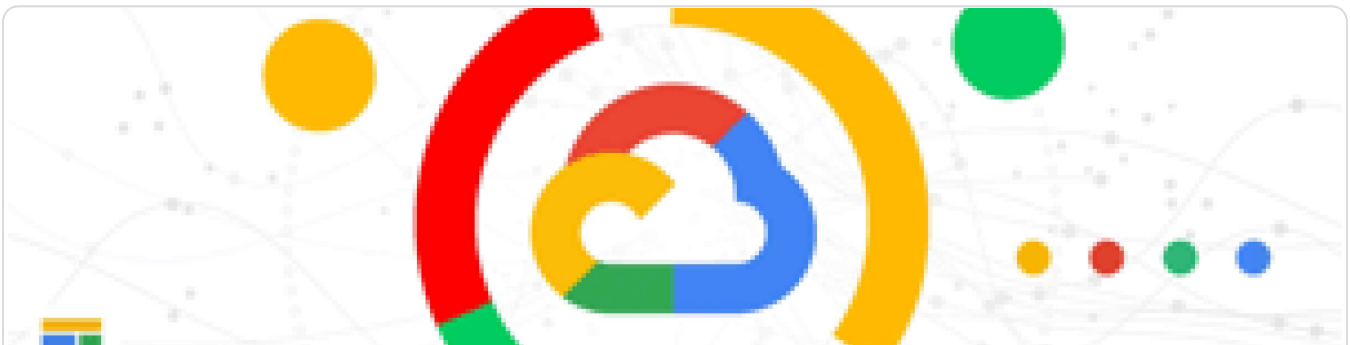
(https://cloudonair.withgoogle.com/events/health-datasets?utm\_source=google&utm\_medium=website&utm\_content=cgc-training-data-science-public-health)

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





10 top tips: Unleash your BigQuery superpowers

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

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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

**Go to docs** (</docs#section-9>)



# Databases

Explore Google Cloud documentation for Databases

[Go to docs \(/docs#section-10\)](#)

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## Ready to get started?

Enroll today and claim your exclusive Google Cloud training discounts.

**Start** ([https://inthecloud.withgoogle.com/training-discount/register.html?now&utm\\_source=google&utm\\_medium=website&utm\\_content=cgc-training-sa-promo3](https://inthecloud.withgoogle.com/training-discount/register.html?now&utm_source=google&utm_medium=website&utm_content=cgc-training-sa-promo3))

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