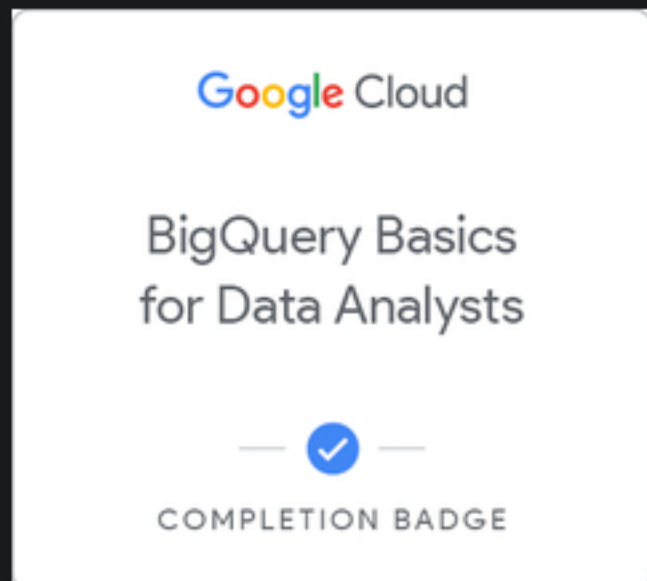Quest

BigQuery Basics for Data Analysts

📅 5 hours   📈 Fundamental   📷 2 Credits

Want to scale your data analysis efforts without managing database hardware? Learn the best practices for querying and getting insights from your data warehouse with this interactive series of BigQuery labs. BigQuery is Google's fully managed, NoOps, low cost analytics database. With BigQuery you can query terabytes and terabytes of data without having any infrastructure to manage or needing a database administrator. BigQuery uses SQL and can take advantage of the pay-as-you-go model. BigQuery allows you to focus on analyzing data to find meaningful insights.

Google Cloud

BigQuery Basics
for Data Analysts

✓

COMPLETION BADGE

Congrats! You completed this quest and earned a badge. Become a cloud expert and start another.

Lab

## ✓ Introduction to SQL for BigQuery and Cloud SQL

In this lab you will learn fundamental SQL clauses and will get hands on practice running structured queries on BigQuery and Cloud SQL.

★★★★☆   1 hour   Introductory   1 Credit   🌐 ⌄

Lab

✓ BigQuery: Qwik Start - Console

This lab shows you how to query public tables and load sample data into BigQuery using the Web UI. Watch the short videos Get Meaningful Insights with Google BigQuery and BigQuery: Qwik Start - Qwiklabs Preview.

★★★★☆   30 minutes   Introductory   1 Credit   🌐 ⌄

OR

Lab

BigQuery: Qwik Start - Command Line

This hands-on lab shows you how to query public tables and load sample data into BigQuery using the Command Line Interface. Watch the short videos Get Meaningful Insights with Google BigQuery and BigQuery: Qwik Start - Qwiklabs Preview.

★★★★★   30 minutes   Introductory   Free   🌐 ⌄

Lab

✓ Troubleshooting Common SQL Errors with BigQuery

In this lab, you use BigQuery to troubleshoot common SQL errors, query the data-to-insights public dataset, use the Query Validator, and troubleshoot syntax and logical SQL errors.

★★★★☆   50 minutes   Introductory   Free   🌐 ⌄

Lab

✓ Big Data Analysis to a Slide Presentation

This lab leverages two Google developer platforms: G Suite and Google Cloud Platform (GCP). It uses GCP's BigQuery API, Sheets, and Slides to collect, analyze and present data.

★★★★☆   1 hour   intermediate   Free   🌐 ⌄

Lab

✓ Explore and Create Reports with Data Studio

In this lab, you learn how to connect Google Data Studio to Google BigQuery data tables, create charts, and explore the relationships between dimensions and measures.

★★★★☆   40 minutes   Introductory   Free   🌐 ⌄