

Insights from Data with BigQuery

Introductory 6 Steps 5 hours 11 Credits

Earn a **skill badge** by completing the **Insights from Data with BigQuery** quest, where you learn about the following basic features of BigQuery: write SQL queries, create and manage database tables in Cloud SQL, query public tables, and load sample data into BigQuery, troubleshoot common Syntax errors with the Query Validator, use Google Apps Script, create a chart in Google Sheets, and export that data to Google Slides, and create reports in Google Data Studio by connecting to BigQuery data.

A skill badge is an exclusive digital badge issued by Google Cloud in recognition of your proficiency with Google Cloud products and services and tests your ability to apply your knowledge in an interactive hands-on environment. Complete this skill badge quest, and the final assessment challenge lab, to receive a skill badge that you can share with your network.

Quest Outline

[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

[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

[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

[Exploring Your Ecommerce Dataset with SQL in Google BigQuery](#)

In this lab, you learn to use BigQuery to find data, query the data-to-insights public dataset, and write and execute queries.

30 minutes

Fundamental

Free

[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

Fundamental

Free

[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

[Insights from Data with BigQuery: Challenge Lab](#)

This challenge lab tests your skills and knowledge from the labs in the Insights from Data with BigQuery Quest. You should be familiar with the content of the labs before attempting this lab.

1 hour

Expert

9 Credits

Quest Complete!

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

