



Activity Overview

As you have learned, BigQuery is a data warehouse on the Google Cloud Platform (GCP) used to query, filter large datasets, aggregate results, and perform complex operations. If you previously completed the optional activity to [Create a Google Cloud account](#), you can access a standard BigQuery account through a free trial. If you chose not to create a billing account with GCP, you can still complete the activities in this program using another free option: the BigQuery sandbox.

In this activity, you will set up a BigQuery sandbox account. After you set up your sandbox, you will explore the BigQuery console and complete a tutorial about how to locate and query public datasets. As a BI professional, you will be responsible for gathering, compiling, and analyzing relevant data to identify trends and patterns, then making recommendations for business actions.

Step-By-Step Instructions

Follow the instructions to complete each step of the activity. Then, answer the questions at the end of the activity before going to the next course item.

Step 1: Log into the BigQuery sandbox with your Google account

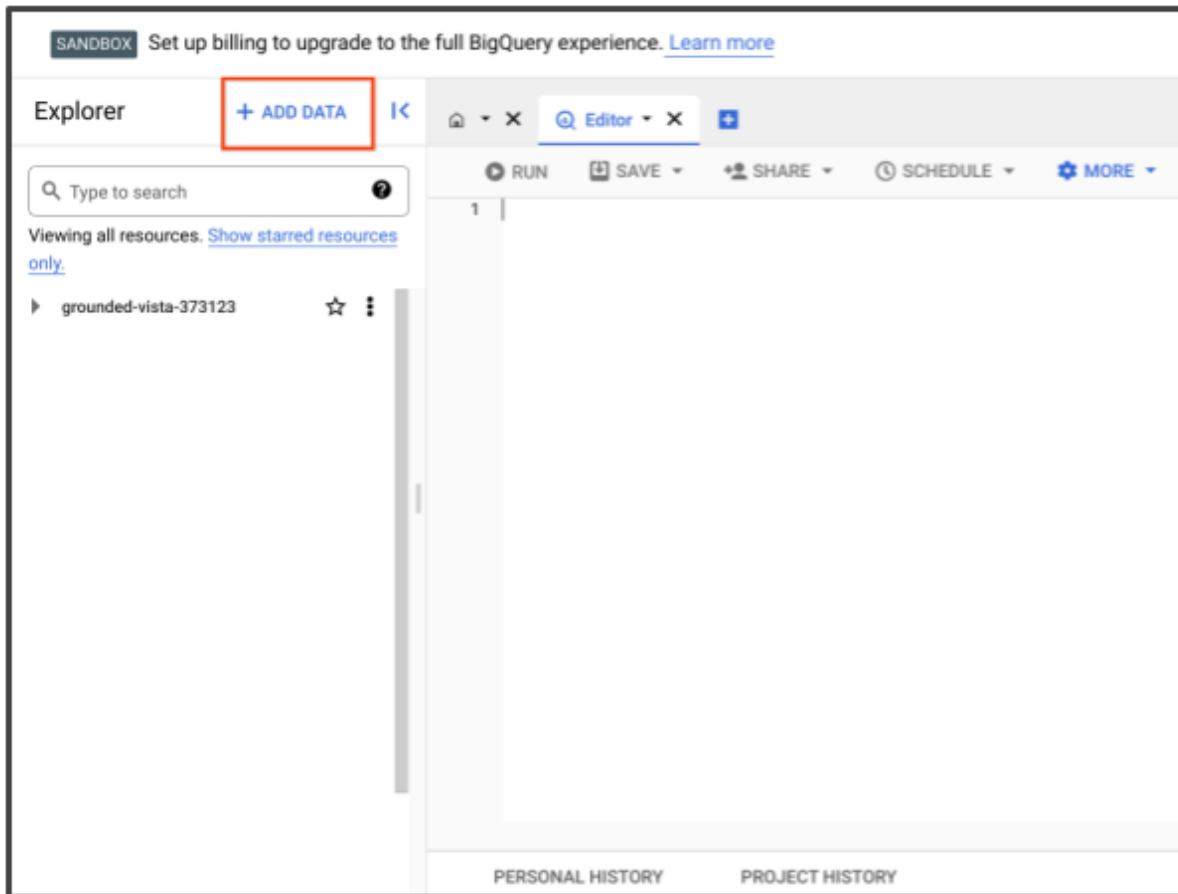
Go to the [BigQuery sandbox documentation page](#). Log into your existing Google account or create a new account to use with the sandbox. Then select your country from the dropdown menu, check the box to agree to the Terms of Service, and click the **AGREE AND CONTINUE** button.

***NOTE:** If you have already set up a Google Cloud free trial account, go to the [BigQuery console](#) and log in. Then skip to Step 2.*

Step 2: Explore the SQL Workspace

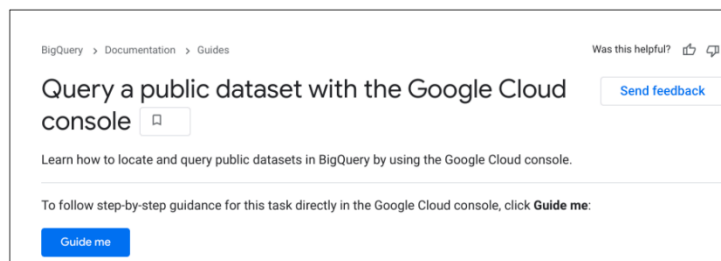
Take a moment to explore the SQL Workspace. The **Explorer** section contains a search bar to find resources, your pinned projects, and the **ADD DATA** button.

Click **Editor**. This space enables you to run, save, share, and schedule queries. You can also find your personal and project history here.



Step 3: Begin the tutorial

Next, you will take a tutorial about how to locate and query public datasets in BigQuery. Start by opening the guide to [querying a public dataset with the Google Cloud console](#). Then click **Guide me**.



To begin the tutorial, click **START**.

Step 4: Create a new project

For Step 1 of the tutorial, click **create a new project**.

Set up the project and enable the BigQuery API

1 **Create a new project** to ensure that you have the permissions you need, or select an existing project in which you have the relevant permissions.

My First Project

Give your project a name like “Query a public dataset project” and a project ID like “query-a-public-dataset-project.” Then click **CREATE**.

New Project

You have 22 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

Project name *
Query a public dataset project

Project ID *
query-a-public-dataset-project

Project ID can have lowercase letters, digits, or hyphens. It must start with a lowercase letter and end with a letter or number.

Location *
No organization [BROWSE](#)

Parent organization or folder

CREATE CANCEL

Select your project from the dropdown menu in the tutorial pane and click **NEXT**.

Query a public dataset

To create GCP resources, such as VM instances, the project must have an associated billing account.

You qualify for a free trial that includes \$300 in credit that you can use to explore Google Cloud!

To start your free trial, click the button and fill out the form on the left. We ask for your credit card or bank account only to verify that you're a real person. Don't worry, you won't be charged!

When your free trial ends, you'll have the option to upgrade to a paid account. You won't start getting charged automatically.

[Start the free trial](#)

If you do not enable billing for the Cloud project that you use in this tutorial, then you will upload and work with data in the BigQuery sandbox. The BigQuery sandbox lets you learn BigQuery with a limited set of BigQuery features at no charge.

2. The necessary APIs are enabled:

BigQuery API

To learn how to open a public dataset, click **Next**.

[PREVIOUS](#) **NEXT**

Step 5: Complete the tutorial

Proceed with the remaining steps of the tutorial, which is estimated to take about five minutes. The remaining steps are as follows:

- In Step 2, you will open a public dataset.
- In Step 3, you will learn how to use SQL to query a public dataset.
- In Step 4, you will delete your project. **If you have signed up for the free trial, make sure to complete this step in order to avoid incurring charges on your Google Cloud account.**