

Google Fiber datasets

By now, you are getting ready to take the next steps with your Course 2 end-of-course project. To work with the Google Fiber data, you will need to upload your data to the appropriate workspace. If you plan on using BigQuery or Dataflow, upload the files to your project space to JOIN them. Additionally, because this data is already clean, you can connect these datasets in Tableau directly and merge them there.

Your interviewers have provided three CSV files:

[Market_1](#)

[Market_2](#)

[Market_3](#)

Upload to BigQuery

First, navigate to your BigQuery console. Go to the BigQuery homepage or go directly to [the console](#).

BigQuery

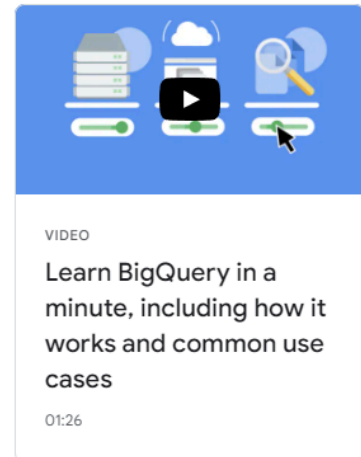
Cost-effective, serverless, multicloud enterprise data warehouse to power your data-driven innovation.

New customers get \$300 in free credits to spend on BigQuery. All customers get 10 GB storage and up to 1 TB queries free per month, not charged against their credits.

[Go to console](#)

[Contact sales](#)

- ✓ Run analytics at scale with 27% lower three-year TCO than [cloud data warehouse alternatives](#)
- ✓ Democratize insights with built-in business intelligence and machine learning
- ✓ Power business decisions from data across clouds with a flexible, multicloud analytics solution
- ✓ BigQuery is at the core of Google's unified [data cloud](#) to help you drive data transformation



BENEFITS

Gain insights with real-time and predictive analytics

Query streaming data in real time and get up-to-date information on all your business processes. Predict business outcomes easily with built-in machine learning—without the need to move data.

Protect your data and operate with trust

Rely on BigQuery's robust security, governance, and reliability controls that offer high availability and a 99.99% uptime SLA. Protect your data with encryption by default and customer-managed encryption keys.

Break data silos and prevent lock-in

Embrace the ecosystem of partners, open data standards, and common industry data models to have the choice to work with data across any platform or environment.

Click on the + ADD DATA button in the Explorer menu pane to open the Add Data menu.

Add data



Source

Popular sources



Local file

Upload a local file



Google Cloud Storage

Google object storage service



Connections to external data sources

Connection from BigQuery to an external data source

Additional sources

Viewing all 24 results.



Search for and star a project

Search for a BigQuery project and add it to the Explorer



Star a project by name

Add a BigQuery project to the Explorer by project name



Analytics Hub

Discover and subscribe to public, commercial or privately shared datasets



Google Drive

Google storage service



Amazon S3 - Data Transfer

Amazon object storage service, via the Data Transfer Service



Public Datasets

BigQuery public datasets from the Google Cloud Public Dataset Program



Cloud Bigtable

Highly-scalable NoSQL database



Informatica Data Loader

Load without code. 100% free covering over 35 sources and no capacity limits



Fivetran Data Pipelines

Automate data flows into BigQuery with near real-time source connectors



Pub/Sub Subscription

Create a Pub/Sub subscription to write data to an existing BigQuery table



Datastream

Real time CDC replication from relational databases such as MySQL, PostgreSQL, and Oracle



Amazon S3 - Omni

Amazon object storage service, via BigQuery Omni

CLOSE

From here, select Local file to upload the CSV or Google Cloud Storage to choose the sheet from your personal Drive. However you add the file, you will need to fill out the necessary fields in the Create Table menu. If you haven't already, the Create table menu will also prompt you to create a dataset to house this table.

Create table

Source

Create table from

Upload

Select file *

market_1.csv

File format

CSV

Destination

Project *

root-station-350516

Dataset *

Dataset is required

Table *

Unicode letters, marks, numbers, connectors, dashes or spaces allowed.

Table type

Native table

Schema

☐ Auto detect

☒ Edit as text

Partition and cluster settings

Partitioning

No partitioning

Clustering order

Clustering order determines the sort order of the data. Clustering can be used on both partitioned and non-partitioned tables.

Advanced options

CREATE TABLE

CANCEL

Create dataset

Project ID

root-station-350516

CHANGE

Dataset ID *

Letters, numbers, and underscores allowed

Location type ?

☐ Region

Specifying a region provides dataset colocation with other GCP services

☒ Multi-region

Letting BigQuery select a region within a group of regions provides higher quota limits

Multi-region *

US (multiple regions in United States)

Default table expiration

☐ Enable table expiration ?

Default maximum table age

Days

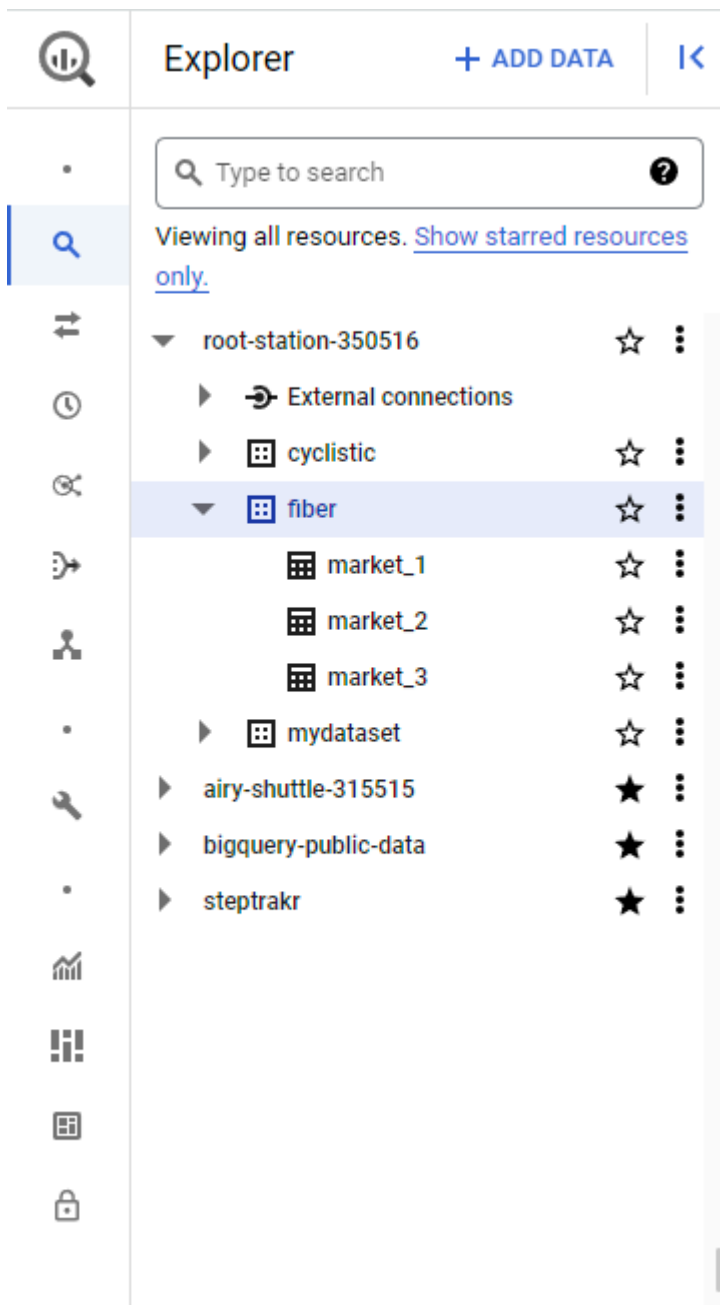
Advanced options

CREATE DATASET

CANCEL

Select CREATE NEW DATASET and name the dataset appropriately for this project. Leave the data location set to default. Once you have completed filling out this information, click Create Dataset.

Now, finish filling out the information for your table. Name your table appropriately for your project and select CSV under file type. Finally, select Auto detect for the schema. Once done, select Create Table. The new table should appear under your dataset in the Explorer pane momentarily.



The screenshot shows the Google Cloud Explorer interface. At the top, there is a search bar with the text "Type to search" and a question mark icon. Below the search bar, the text "Viewing all resources. [Show starred resources only.](#)" is displayed. The main content area shows a list of datasets. The "fiber" dataset is selected and highlighted. The list includes the following datasets:

- root-station-350516
 - External connections
 - cyclistic
 - fiber** (selected)
 - market_1
 - market_2
 - market_3
 - mydataset
- airy-shuttle-315515
- bigquery-public-data
- steptrkr

From here, explore the schema, preview the data, and familiarize yourself with this table. Once you have uploaded this dataset, you will be ready to continue with your project!