Cloud and advanced analytics
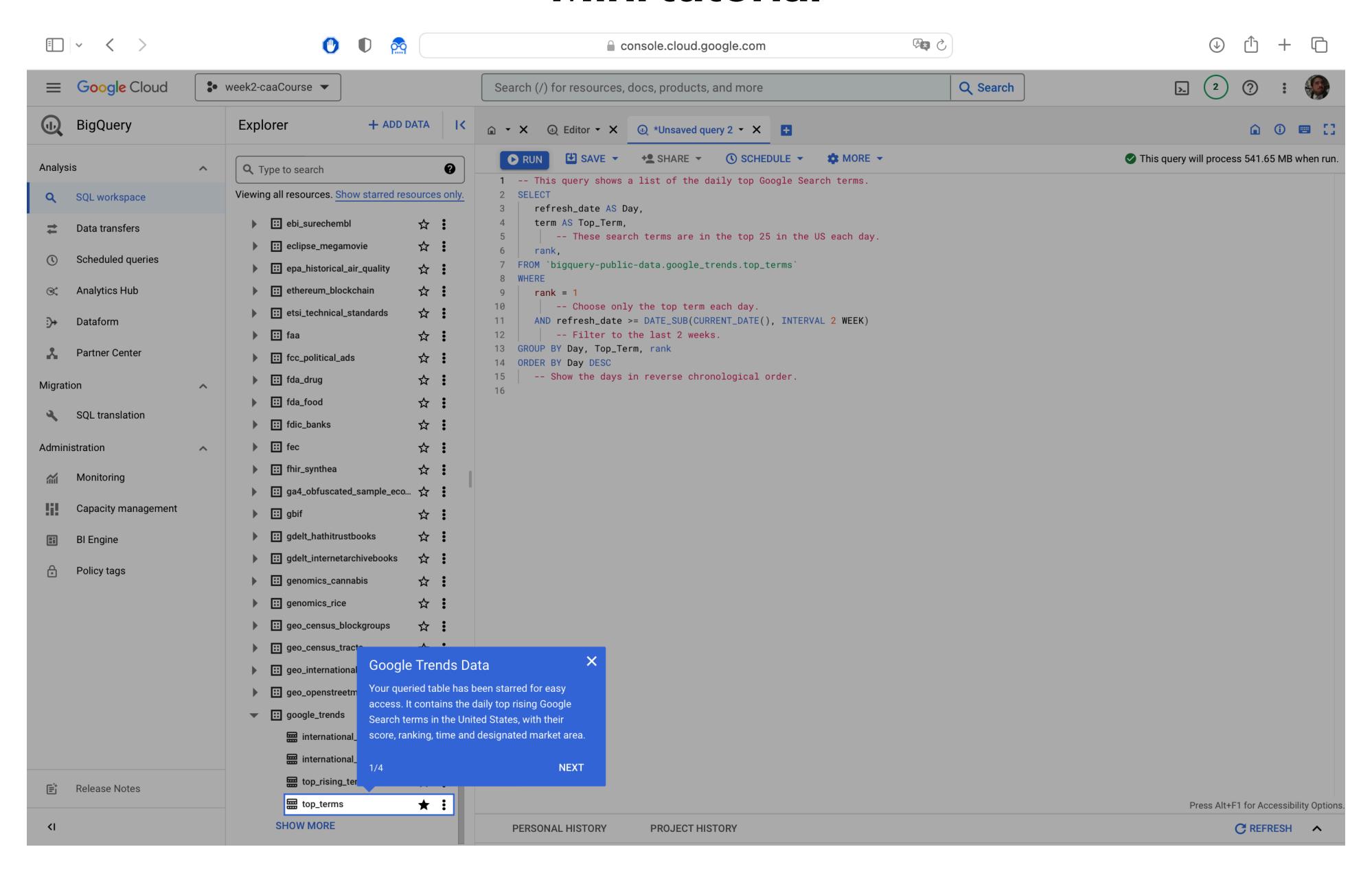
Week 2 - BigQuery

Public datasets
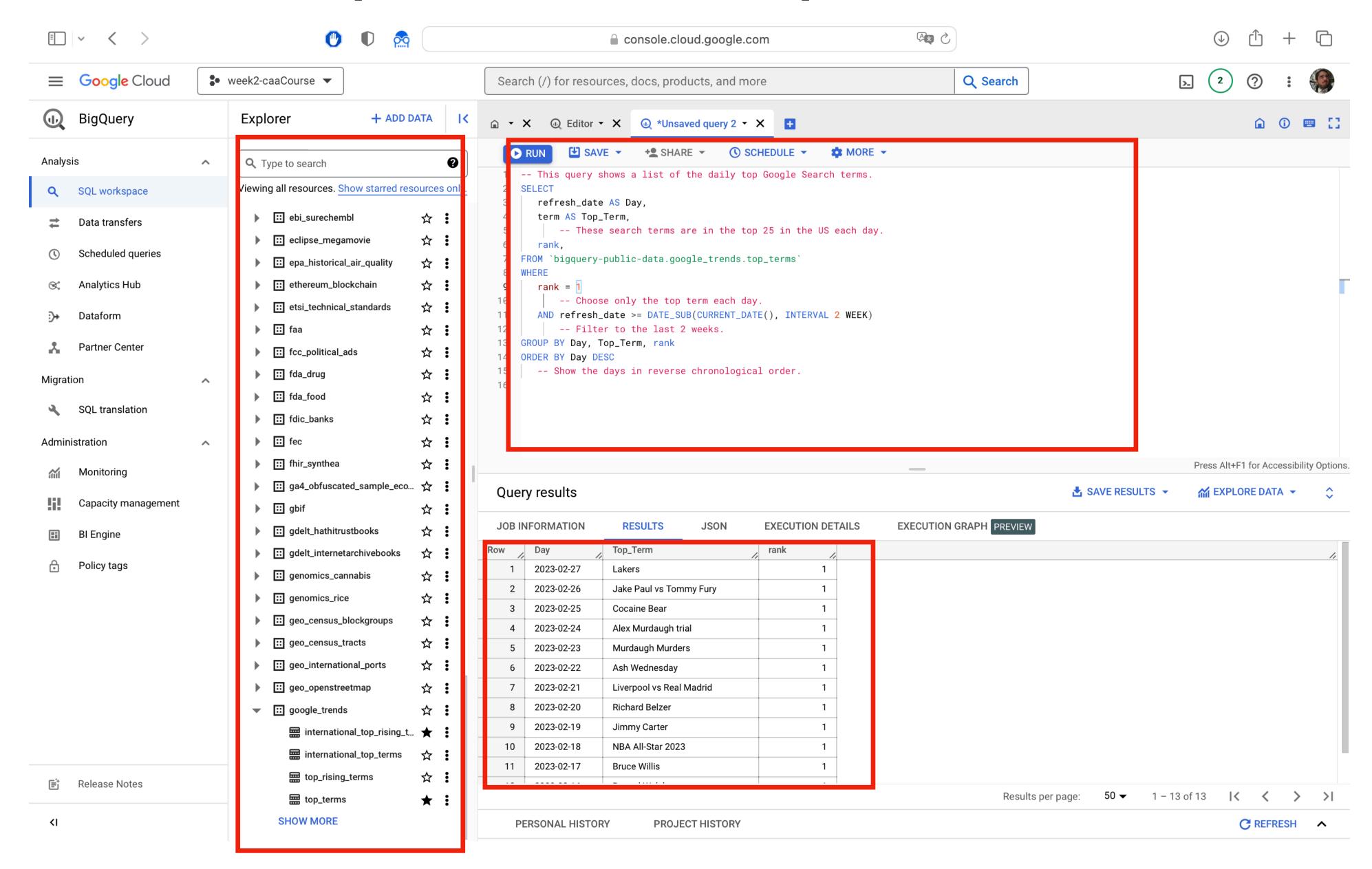
Initial page

Welcome to your SQL Workspace!

Get started

Try the Google Trends Demo Query

This simple query generates the top search terms in the US from the Google Trends public dataset.

OPEN THIS QUERY   VIEW DATASET

COMPOSE A NEW QUERY   ADD DATA

Add your own data

Local file
Upload a local file
LAUNCH THIS GUIDE

Google Drive
Google storage service
LAUNCH THIS GUIDE

Google Cloud Storage
Google object storage service
LAUNCH THIS GUIDE

☑ Show welcome page on startup

PERSONAL HISTORY   PROJECT HISTORY   ⟳ REFRESH

Mini tutorial

Google Cloud   week2-caaCourse ▾

Search (/) for resources, docs, products, and more   🔍 Search

BigQuery

Explorer   + ADD DATA

🔍 Type to search   ?

Viewing all resources. Show starred resources only.

Analysis ∧
- 🔍 SQL workspace
- ⇄ Data transfers
- 🕐 Scheduled queries
- ⊗ Analytics Hub
- ⤳ Dataform
- 👤 Partner Center

Migration ∧
- 🔧 SQL translation

Administration ∧
- 📊 Monitoring
- ▦ Capacity management
- ▣ BI Engine
- 🔒 Policy tags

Explorer resources:
- ▶ ⊞ ebi_surechembl ⭐ ⋮
- ▶ ⊞ eclipse_megamovie ⭐ ⋮
- ▶ ⊞ epa_historical_air_quality ⭐ ⋮
- ▶ ⊞ ethereum_blockchain ⭐ ⋮
- ▶ ⊞ etsi_technical_standards ⭐ ⋮
- ▶ ⊞ faa ⭐ ⋮
- ▶ ⊞ fcc_political_ads ⭐ ⋮
- ▶ ⊞ fda_drug ⭐ ⋮
- ▶ ⊞ fda_food ⭐ ⋮
- ▶ ⊞ fdic_banks ⭐ ⋮
- ▶ ⊞ fec ⭐ ⋮
- ▶ ⊞ fhir_synthea ⭐ ⋮
- ▶ ⊞ ga4_obfuscated_sample_eco... ⭐ ⋮
- ▶ ⊞ gbif ⭐ ⋮
- ▶ ⊞ gdelt_hathitrustbooks ⭐ ⋮
- ▶ ⊞ gdelt_internetarchivebooks ⭐ ⋮
- ▶ ⊞ genomics_cannabis ⭐ ⋮
- ▶ ⊞ genomics_rice ⭐ ⋮
- ▶ ⊞ geo_census_blockgroups ⭐ ⋮
- ▶ ⊞ geo_census_tract... ⭐ ⋮
- ▶ ⊞ geo_international... ⋮
- ▶ ⊞ geo_openstreetm... ⋮
- ▼ ⊞ google_trends
  - ⊞ international_...
  - ⊞ international_...
  - ⊞ top_rising_ter...
  - ⊞ top_terms ★ ⋮

SHOW MORE

📄 Release Notes

🏠 ▾ ✕ 🔍 Editor ▾ ✕ 🕐 *Unsaved query 2 ▾ ✕ +

▶ RUN   💾 SAVE ▾   👥 SHARE ▾   🕐 SCHEDULE ▾   ⚙ MORE ▾   ✅ This query will process 541.65 MB when run.

```
1   -- This query shows a list of the daily top Google Search terms.
2   SELECT
3       refresh_date AS Day,
4       term AS Top_Term,
5           -- These search terms are in the top 25 in the US each day.
6       rank,
7   FROM `bigquery-public-data.google_trends.top_terms`
8   WHERE
9       rank = 1
10          -- Choose only the top term each day.
11      AND refresh_date >= DATE_SUB(CURRENT_DATE(), INTERVAL 2 WEEK)
12          -- Filter to the last 2 weeks.
13  GROUP BY Day, Top_Term, rank
14  ORDER BY Day DESC
15      -- Show the days in reverse chronological order.
16
```

Google Trends Data   ✕

Your queried table has been starred for easy access. It contains the daily top rising Google Search terms in the United States, with their score, ranking, time and designated market area.

1/4   **NEXT**

PERSONAL HISTORY   PROJECT HISTORY

Press Alt+F1 for Accessibility Options.

🔄 REFRESH

Query, results, and list of public datasets
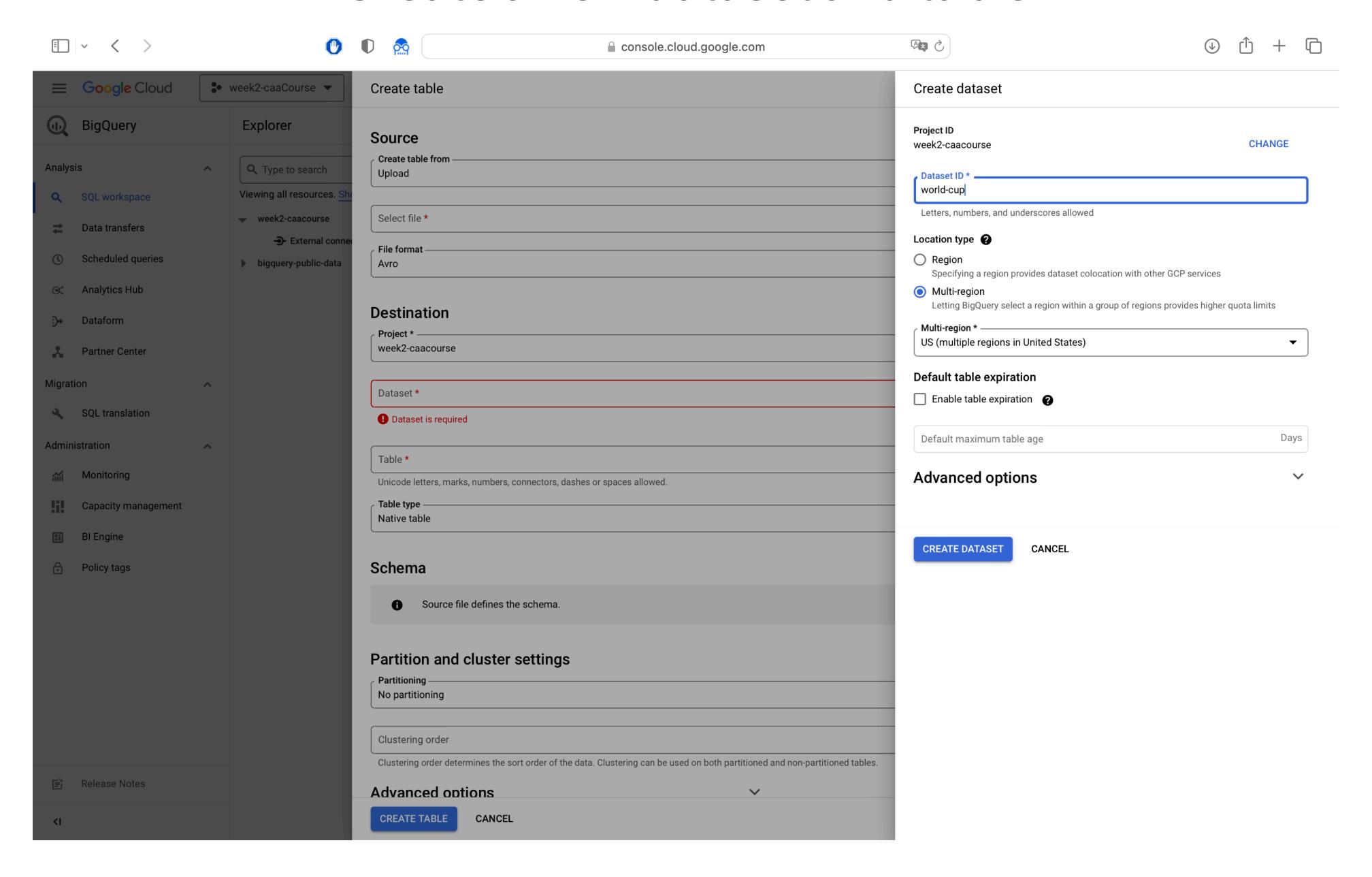
Query, results, and list of public datasets

Private datasets

"Add data"

Create a new dataset and table

Schema auto-detect

Refresh content, et voilà

Add another table

The end

- Now you can query both public and private datasets

- Queries can be done on the GCP console, or on python.

- Check out the notebook in the repo to learn how to query from python, both public and private datasets.