# **☑** Task 1: Create a Dataset

# **♦ Steps:**

- 1. **Open BigQuery** from the Navigation menu.
- 2. If prompted, click **Done** to close the welcome message.
- In the Explorer pane, click the More icon next to your Project ID and select Create dataset.
- 4. In the **Create dataset** pane:
  - o **Dataset ID**: thelook ecommerce ✓
  - Location: US (multi-region) 🗸
  - Leave other fields as default.
- 5. Click Create dataset.

### **☑** Correct Outcome:

 You should now see thelook\_ecommerce listed under your project in the Explorer pane.

### SQL Query to Create Table:

```
Paste the following into the Query Editor:
SQL
--Create empty product orders fulfillment table
CREATE OR REPLACE TABLE
  `thelook ecommerce.product orders fulfillment`
  order id INT64,
  user id INT64,
  status STRING,
  product_id INT64,
  created at TIMESTAMP,
  returned at TIMESTAMP,
  shipped at TIMESTAMP,
  delivered at TIMESTAMP,
  cost NUMERIC,
  sale price NUMERIC,
  retail_price NUMERIC,
  category STRING,
  name STRING,
  brand STRING,
  department STRING,
  sku STRING,
```

```
distribution_center_id INT64
);
```

Afficher plus de lignes

Click **Run**, then click **Go To Table** to verify the schema.

#### **✓** Correct Answer:

- Table product\_orders\_fulfillment is created under thelook\_ecommerce.
- Schema matches the query definition.
- Table is currently empty (expected).

### Feedback Tip:

If the **Check my progress** button doesn't validate:

- Double-check that the **dataset name** is exactly thelook\_ecommerce.
- Ensure the **table name** and **column types** match the query exactly.
- Make sure you're working in the correct project.

# **☑** Task 2: Create Tables from Query Results

### **∜** Goal:

Create two new tables (customers and centers) with a GEOGRAPHY column to store point locations based on latitude and longitude.

# SQL Query to Run:

```
SOL
--Create empty customers table
CREATE OR REPLACE TABLE
  `thelook ecommerce.customers`
  id INT64,
  first name STRING,
  last name STRING,
  email STRING,
  age INT64,
  gender STRING,
  state STRING,
  street address STRING,
  postal code STRING,
  city STRING,
  country STRING,
  traffic source STRING,
```

```
created_at TIMESTAMP,
  latitude FLOAT64,
  longitude FLOAT64,
  point_location GEOGRAPHY
);
--Create empty centers table
CREATE OR REPLACE TABLE
  `thelook_ecommerce.centers`
(
  id INT64,
  name STRING,
  latitude FLOAT64,
  longitude FLOAT64,
  point_location GEOGRAPHY
);
```

Afficher plus de lignes

Click **Run** to execute both table creation queries.

#### **Correct Answer:**

- Two new tables are created:
  - customers
  - o centers
- Both include a point\_location column of type GEOGRAPHY.

## Feedback Tip:

If validation fails:

- Confirm both tables are created in the thelook\_ecommerce dataset.
- Ensure the GEOGRAPHY column is present and correctly named.
- Make sure there are no syntax errors or missing commas.