

Using SQL to clean data

Learn basic SQL queries

- Reading:** Optional: Upload the customer dataset to BigQuery 10 min
- Video:** Widely used SQL queries 6 min
- Video:** Evan: Having fun with SQL 2 min
- Video:** Cleaning string variables using SQL 12 min
- Practice Quiz:** Hands-On Activity: Clean data using SQL 2 questions
- Practice Quiz:** Test your knowledge on SQL queries 4 questions

Transforming data

Weekly challenge 3

Optional: Upload the customer dataset to BigQuery

In the next video, the instructor uses a specific dataset. The instructions in this reading are provided for you to upload the same dataset in your BigQuery console.

You must have a BigQuery account to follow along. If you have hopped around courses, [Using BigQuery](#) in the **Prepare Data for Exploration** course covers how to set up a BigQuery account.

Prepare for the next video

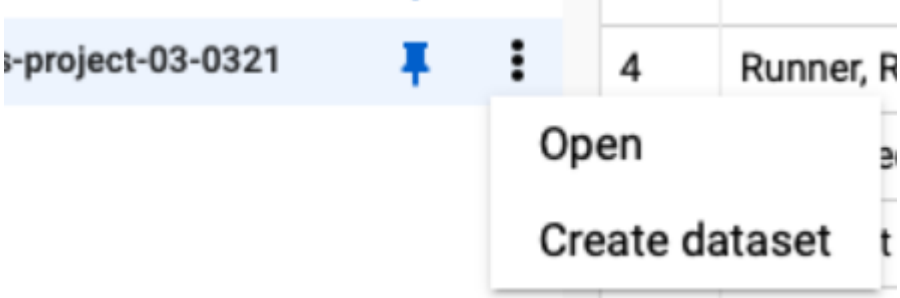
- First, download the CSV file from the attachment below.



- Next, complete the following steps in your BigQuery console to upload the Customer Table dataset.

Step 1: Open your BigQuery console and click on the project you want to upload the data to.

Step 2: In the Explorer on the left, click the Actions icon (three vertical dots) next to your project name and select **Create dataset**.



Step 3: In the upcoming video, the name "customer_data" will be used for the dataset. If you plan to follow along with the video, enter **customer_data** for the Dataset ID.

Create dataset

Dataset ID *

customer_data

Letters, numbers, and underscores allowed

Data location

Default

?

Default table expiration

☐ Enable table expiration ?

Default maximum table age

Days

Encryption

- ☒ Google-managed encryption key
No configuration required
- ☐ Customer-managed encryption key (CMEK)
Manage via Google Cloud Key Management Service

CREATE DATASET

CANCEL

Step 4: Click **CREATE DATASET** (blue button) to add the dataset to your project.

Step 5: In the Explorer on the left, click to expand your project, and then click the **customer_data** dataset you just created.

Step 6: Click the Actions icon (three vertical dots) next to customer_data and select **Open**.

Step 7: Click the blue + icon at the middle to open the Create table window.



Step 8: Under Source, for the Create table from selection, choose where the data will be coming from.

- Select **Upload**.
- Click **Browse** to select the Customer Table CSV file you downloaded.
- Choose **CSV** from the file format drop-down.

Step 9: For Table name, enter **customer_address** if you plan to follow along with the video.

Step 10: For Schema, click the Auto detect check box.

Step 11: Click **Create table** (blue button). You will now see the **customer_address** table under your **customer_data** dataset in your project.

Step 12: Click **customer_address** and then select the Preview tab. Confirm that you see the data shown below.

Row	customer_id	name	address	city	state	zipcode	country
1	2463	Chad Lucero	142 Wakarusa Drive	Sanita Clara	CA	95050	US
2	5306	Elsuan Blanchard	8328 North Cobblestone Avenue	Pueblo	CO	81001	US
3	9886	Nomusa Knight	8787 River Street	Palm City	FL	34490	US
4	3821	Abel Black	88 Beacon Lane	Bonita Springs	FL	34135	US
5	4374	Alexis Rubin	738 Charles Drive	Douglasville	GA	30134	US
6	2512	Denzelue Sloan	8106 East John Street	Carol Stream	IL	60188	US
7	4957	Korey Savage	9258 Woodland Street	Glen Ellyn	IL	60137	US
8	4957	Korey Savage	9258 Woodland Street	Glen Ellyn	IL	60137	US
9	9815	Romane Overlap	73 1st Street	Boston	MA	2327	US
10	6155	Arissa Blue	8352 Highland Street	Cherry Chase	MD	20815	USA
11	1180	Loucadia Anderson	7015 Fairground Street	Dorchester	ME	48124	US
12	8940	Ridley Veloz	280 Pennington Drive	Clemmons	NC	27012	US
13	8940	Ridley Veloz	280 Pennington Drive	Clemmons	NC	27012	US
14	4524	Reba Morris	755 Hanover Street	High Point	NC	27265	US
15	4297	Phylicia Chambers	9337 Birchford Street	Winston Salem	NC	27160	US
16	1268	Travis Cortez	32 Crestle Drive	Princeton	NJ	7801	US
17	1978	Stone Randall	886 Peninsula Circle	Oakland Gardens	NY	11364	US
18	335	Feliciana Gillespie	62 Old Carriage Drive	Mount Vernon	NY	10550	US

And now you have everything you need to follow along with the next video. This is also a great table to use to practice querying data on your own. Plus, you can use these steps to upload any other data you want to work with.

Mark as completed

