Optional: Upload the store transactions 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 so you can follow along. You must have a BigQuery account to follow along. If you have hopped around courses, <u>Using BigQuery</u> 🖸 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. Lauren's Furniture Store Transaction Table CSV File Next, complete the steps below in your BigQuery console to upload the Store Transaction dataset. Note: These steps will be different from what you performed before. In previous instances, you selected the Auto detect check box to allow BigQuery to auto-detect the schema. This time, you will choose to create the schema by editing it as text. This method can be used when BigQuery doesn't automatically set the desired type for a particular field. In this case, you will specify STRING instead of FLOAT as the type for the purchase_price field. **Step 1**: Open your BigQuery console and click on the project you want to upload the data to. If you already created a **customer_data** dataset for your project, jump to step 5; otherwise, continue with step 2. **Step 2:** In the Explorer on the left, click the Actions icon (three vertical dots) next to your project name and select **Create dataset**. Open Create dataset t Step 3: Enter customer_data for the Dataset ID. Create dataset Dataset ID * customer_data Letters, numbers, and underscores allowed - 0 Default Default table expiration Default maximum table age Encryption Google-managed encryption key Customer-managed encryption key (CMEK) CREATE DATASET CANCEL Step 4: Click CREATE DATASET (blue button) to add the dataset to your project. $\textbf{Step 6:} \ \textbf{Click the Actions icon (three vertical dots) next to customer_data and select \textbf{Open}.$ $\textbf{Step 8:} \ \mathsf{Under Source}, for the \textit{Create table from selection}, choose \ \mathsf{where the data will be coming from}.$ $\bullet \quad \mathsf{Click} \, \mathbf{Browse} \, \mathsf{to} \, \mathsf{select} \, \mathsf{the} \, \mathsf{Store} \, \mathsf{Transaction} \, \mathsf{Table} \, \mathsf{CSV} \, \mathsf{file} \, \mathsf{you} \, \mathsf{downloaded}.$ Choose CSV from the file format drop-down. Create table Create table from: Upload Lauren's Furniture Store Transaction Table.csv Browse CSV CSV V Search for a project Enter a project name Laura's project 03-0321 customer_data Native table customer_purchase Schema Edit as text 1 Step 9: For Table name, enter customer_purchase if you plan to follow along with the video. **Step 10:** For Schema, click the toggle switch for **Edit as text**. This opens up a box for the text. Step 11: Copy and paste the following text into the box. Be sure to include the opening and closing brackets. They are "mode": "NULLABLE", "name": "date", "type": "DATETIME" "description": "transaction id", "mode": "NULLABLE", "mode": "NULLABLE", "name": "customer_id", "type": "INTEGER" "name": "product", "mode": "NULLABLE", "name": "product_code", "type": "STRING" "description": "product color", "mode": "NULLABLE", "name": "product_color", "type": "STRING" "description": "product price", "mode": "NULLABLE", "mode": "NULLABLE", "name": "purchase_size", "type": "INTEGER" "description": "purchase price", "mode": "NULLABLE", "name": "purchase_price", "description": "revenue", "mode": "NULLABLE", "name": "revenue", "type": "FLOAT" Advanced options ^ Write preference: Write if empty • Number of errors allowed: Unknown values: Ignore unknown values Header rows to skip: Quoted newlines Jagged rows Allow quoted newlines Allow jagged rows Google-managed key No configuration required Customer-managed key Manage via Google Cloud Key Management Service Step 15: Click the customer_purchase table and in the Schema tab, confirm that the schema matches the schema shown below. SCHEMA DETAILS PREVIEW Table schema Field name Type Mode Policy Tags Description DATETIME NULLABLE transaction_id INTEGER NULLABLE customer_id INTEGER NULLABLE customer id product STRING NULLABLE product_code STRING NULLABLE product_code product_color STRING NULLABLE product color product_price FLOAT NULLABLE product price purchase_size INTEGER NULLABLE quantity purchased purchase_price STRING NULLABLE revenue FLOAT NULLABLE Step 16: Click the Preview tab and confirm that your data matches the data shown below. Congratulations, you are now ready to follow along with the video! Mark as completed

🖒 Like 🔍 Dislike 🏳 Report an issue

Using SQL to clean data

Learn basic SQL queries

Transforming data

Video: Advanced data-cleaning functions, part 2
 8 min

Ungraded Plugin: Data cleaning with SQL 30 min

Discussion Prompt: Debugging SQL code
10 min

7