Get started with data calculations Pivot...pivot...pivot... Optional: Upload the avocado dataset to Learn more SQL calculations **Video:** Queries and calculations BigQuery Reading: Optional: Upload the avocado dataset to BigQuery 10 min Using public datasets is a great way to practice working with SQL. Later in the course, you are going to use historical Video: Embedding simple data on avocado prices to perform calculations in BigQuery. This is a step-by-step guide to help you load this data into calculations in SQL your own BigQuery console so that you can follow along with the upcoming video. If you have hopped around courses, <u>Using BigQuery</u> 'L' in the **Prepare Data for Exploration** course covers how to set Video: Calculations with other up a BigQuery account. statements Step 1: Download the CSV file from Kaggle Practice Quiz: Hands-On Activity: Calculations in SQL **Avocado prices** : The publicly available avocado dataset from Kaggle you are going to use (made available by 2 questions <u>Justin Kiggins</u> ☐ under an <u>Open Data Commons</u> ☐ license). Discussion Prompt: Calculations and queries You can download this data onto your own device and then upload it to BigQuery. There are also other public datasets 10 min on Kaggle that you can download and use. You can follow these steps to load them into your console and practice on your own! Practice Quiz: Test your knowledge on SQL calculations 3 questions The data-validation process Home Using SQL with temporary tables ◆ Compete □ Data Weekly challenge 4 <> Notebooks Course challenge Discuss Data Tasks (1) Notebooks (256) Discussion (15) Activity Metadata License Database: Open Database, Contents: © Original Authors Context It is a well known fact that Millenials LOVE Avocado Toast. It's also a well known fact that all Millenials live in their parents basements. But maybe there's hope... if a Millenial could find a city with cheap avocados, they could live out the Millenial American Dream. You will find some more information about the avocado dataset, including the context, content, and original source on this page. For now, you can simply download the file. Step 2: Open your BigQuery console and create a new dataset **Open BigQuery** . After you have downloaded the dataset from Kaggle, you can upload it to your BigQuery console. In the Explorer on the left side of your console, click the project where you want to add a dataset - note that your project will not be named the same as the one in the example ("oval-flow-286322"). Don't choose "bigquery-publicdata" as your project because that's a public project that you can't change. ≡ Google Cloud Platform 💲 My First Project 🔻 🔍 Search products an... 🗸 👬 🔽 🕢 🖡 🚼 ① FEATURES & INFO ■ SHORTCUT 🖎 HIDE PREVIEW FEATURES **★** COMPOSE NEW QUERY Explorer oval-flow-286322 ■ CREATE DATASET ■ UNPIN PROJECT Q Type to search Resources in this project Use the Explorer panel to view your data, or create a new dataset using the Create Dataset option above. • oval-flow-286322 Click the Actions icon (three vertical dots) next to your project and select **Create dataset**. s-project-03-0321 Open Create dataset Here, you will name the dataset; in this case, enter **avocado_data**. Then, click **Create dataset** (blue button) at the bottom to create your new dataset. This will add data in the Explorer on the left of your console. Create dataset Dataset ID avocado_data Data location (Optional) United States (US) Default table expiration 💿 Never Number of days after table creation: Data is encrypted automatically. Select an encryption key management solution. Google-managed key No configuration required Customer-managed key Manage via Google Cloud Key Management Service Create dataset Cancel

