

From Data to Insights with Google Cloud

Evan Jones

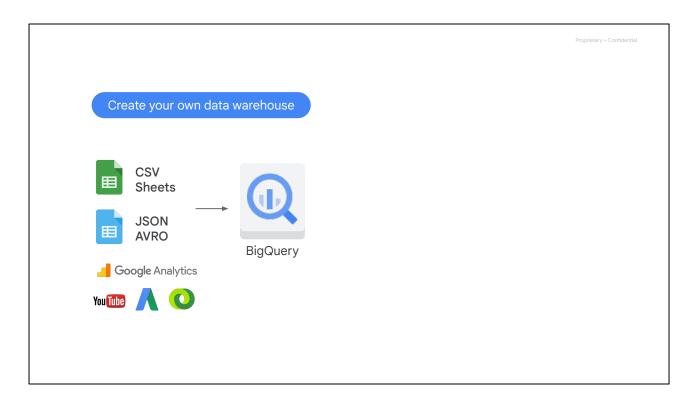
Welcome back to the Data Insights course series. I'm Evan and I'll be your guide on your big data journey.

Data to Insights with Google Cloud course series

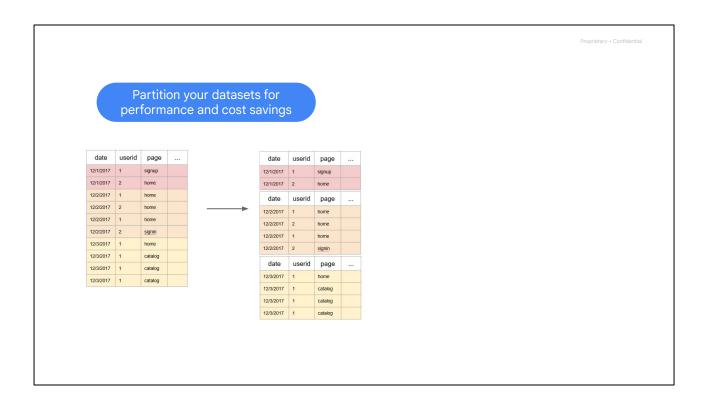
- Exploring and Preparing your Data with BigQuery
- Oz Creating New BigQuery Datasets and Visualizing Insights
- O3 Achieving Advanced Insights with BigQuery
- Applying Machine Learning to your Data with Google Cloud



In this course, we'll cover how to connect and bring in a new datasets into BigQuery, and I can join them all together to create a proper data analytics warehouse.



We'll first cover what different types of data BigQuery can connect to and ingest. Which range from things like CSV files, or files at Google Cloud Storage to more nuanced concepts like querying a Google Spreadsheet directly, or ingesting things like JSON, or AVRO formats.



Now no topic on data storage would be complete without talking about a few of the unique ways you can partition your datasets and other flexible storage options for you to explore.

Proprietary + Confidential

Compare permanent and temporary tables versus views

project
dataset
view
table
table

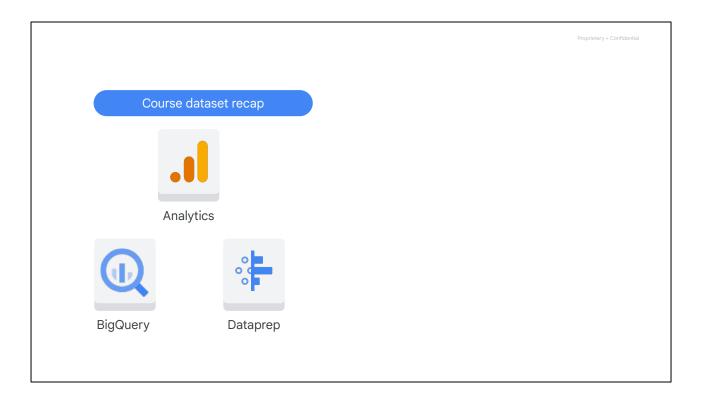
Then we'll move on to the core differences between BigQuery permanent and temporary tables, as well as logical view creation, and when you should use each of those three in your reporting applications.

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Visualize and share your insights



Lastly, we'll close out the course with a few data visualization options and best practices. So you can present and share your insights and interactive dashboards, for your own audiences. Let's get started first with how you can set up and use BigQuery to store your new datasets.



If you've taken the first course in this course series and exploring your data with BigQuery, you're already familiar with the e-commerce course dataset that we've been using so far. If you skipped the first course, here's a brief recap of the dataset that we'll be working with.



Dataset that you use for your hands-on labs is a year of Google Analytics records behind the Google merchandise store, which sells Google brand and merchandise like sunglasses and even t-shirts. That's over a million site hits and transaction records, to include insights like, what users were close to transacting but never completed? What top keywords are high-value customers using to reach the site? What top channels are customers going through to reach your site?