Programa de cursos integrados From Data to Insights with Google Cloud

Learn Data Analysis that Scales. Learn how to query and process petabytes of data in seconds

4.7estrelas

3.934 classificações

**O QUE VOCÊ VAI APRENDER**

* Query and draw insight from BigQuery public datasets.
* Assess the quality of a dataset and develop an automated data cleansing pipeline that will output to BigQuery.
* Write and troubleshoot SQL on a real Google Analytics e-commerce dataset to drive marketing insights.
* Create new permanent and temporary tables from your query results

**HABILIDADES QUE VOCÊ TERÁ**

* Bigquery
* Machine Learning
* Data Visualization (DataViz)
* SQL
* Google Cloud Platform
* Cloud Computing

Sobre este Programa de cursos integrados

**4.781 visualizações recentes**

Want to know how to query and process petabytes of data in seconds? Curious about data analysis that scales automatically as your data grows? Welcome to the Data Insights course!

This four-course accelerated online specialization teaches course participants how to derive insights through data analysis and visualization using the Google Cloud Platform. The courses feature interactive scenarios and hands-on labs where participants explore, mine, load, visualize, and extract insights from diverse Google BigQuery datasets. The courses also cover data loading, querying, schema modeling, optimizing performance, query pricing, and data visualization.

This specialization is intended for the following participants:

● Data Analysts, Business Analysts, Business Intelligence professionals

● Cloud Data Engineers who will be partnering with Data Analysts to build scalable data solutions on Google Cloud Platform

To get the most out of this specialization, we recommend participants have some proficiency with ANSI SQL.

>>> By enrolling in this specialization you agree to the Qwiklabs Terms of Service as set out in the FAQ and located at: <https://qwiklabs.com/terms_of_service> <<<

Projeto de Aprendizagem Aplicada

This specialization incorporates hands-on labs using our Qwiklabs platform.

These hands on components will let you apply the skills you learn in the video lectures. Projects will incorporate topics such as Google Cloud Platform products, which are used and configured within Qwiklabs. You can expect to gain practical hands-on experience with the concepts explained throughout the modules.

## Este Programa de cursos integrados contém 4 cursos

**CURSO**1

### **[Exploring ​and ​Preparing ​your ​Data with BigQuery](https://www.coursera.org/learn/gcp-exploring-preparing-data-bigquery?specialization=from-data-to-insights-google-cloud-platform)**

**4.7**

**estrelas**

3.506 classificações

In this course, we see what the common challenges faced by data analysts are and how to solve them with the big data tools on Google Cloud. You’ll pick up some SQL along the way and become very familiar with using BigQuery and Dataprep to analyze and transform your datasets.

This is the first course of the From Data to Insights with Google Cloud series. After completing this course, enroll in the Creating New BigQuery Datasets and Visualizing Insights course.

MOSTRAR MENOS ABOUT EXPLORING ​AND ​PREPARING ​YOUR ​DATA WITH BIGQUERYMostrar menos

**CURSO**2

### **[Creating New BigQuery Datasets and Visualizing Insights](https://www.coursera.org/learn/gcp-creating-bigquery-datasets-visualizing-insights?specialization=from-data-to-insights-google-cloud-platform)**

**4.6**

**estrelas**

1.712 classificações

This is the second course in the Data to Insights course series. Here we will cover how to ingest new external datasets into BigQuery and visualize them with Looker Studio. We will also cover intermediate SQL concepts like multi-table JOINs and UNIONs which will allow you to analyze data across multiple data sources.

Note: Even if you have a background in SQL, there are BigQuery specifics (like handling query cache and table wildcards) that may be new to you. After completing this course, enroll in the Achieving Advanced Insights with BigQuery course.

MOSTRAR MENOS ABOUT CREATING NEW BIGQUERY DATASETS AND VISUALIZING INSIGHTSMostrar menos

**CURSO**3

### **[Achieving Advanced Insights with BigQuery](https://www.coursera.org/learn/gcp-advanced-insights-bigquery?specialization=from-data-to-insights-google-cloud-platform)**

**4.7**

**estrelas**

1.303 classificações

The third course in this course series is Achieving Advanced Insights with BigQuery. Here we will build on your growing knowledge of SQL as we dive into advanced functions and how to break apart a complex query into manageable steps.

We will cover the internal architecture of BigQuery (column-based sharded storage) and advanced SQL topics like nested and repeated fields through the use of Arrays and Structs. Lastly we will dive into optimizing your queries for performance and how you can secure your data through authorized views. After completing this course, enroll in the Applying Machine Learning to your Data with Google Cloud course.

MOSTRAR MENOS ABOUT ACHIEVING ADVANCED INSIGHTS WITH BIGQUERYMostrar menos

**CURSO**4

### **[Applying Machine Learning to your Data with Google Cloud](https://www.coursera.org/learn/data-insights-gcp-apply-ml?specialization=from-data-to-insights-google-cloud-platform)**

**4.7**

**estrelas**

1.121 classificações

In this course, we define what machine learning is and how it can benefit your business. You'll see a few demos of ML in action and learn key ML terms like instances, features, and labels. In the interactive labs, you will practice invoking the pretrained ML APIs available as well as build your own Machine Learning models using just SQL with BigQuery ML.

## Instrutores

[[](https://www.coursera.org/instructor/google-cloud-training)](https://www.coursera.org/instructor/google-cloud-training" \t "_blank)

### **[Google Cloud Training](https://www.coursera.org/instructor/google-cloud-training" \t "_blank)**

[[https://d3njjcbhbojbot.cloudfront.net/api/utilities/v1/imageproxy/https:/coursera_assets.s3.amazonaws.com/xdp/expertise/icons/SvgMembers.svg?auto=format%2Ccompress&dpr=1&w=12&h=12&q=40](https://www.coursera.org/instructor/google-cloud-training)](https://www.coursera.org/instructor/google-cloud-training" \t "_blank)

**[2.009.797](https://www.coursera.org/instructor/google-cloud-training" \t "_blank)**[aprendizes](https://www.coursera.org/instructor/google-cloud-training" \t "_blank)

[[https://d3njjcbhbojbot.cloudfront.net/api/utilities/v1/imageproxy/https:/coursera_assets.s3.amazonaws.com/xdp/expertise/icons/SvgBook.svg?auto=format%2Ccompress&dpr=1&w=12&h=12&q=40](https://www.coursera.org/instructor/google-cloud-training)](https://www.coursera.org/instructor/google-cloud-training" \t "_blank)

**[1.091](https://www.coursera.org/instructor/google-cloud-training" \t "_blank)**[Cursos](https://www.coursera.org/instructor/google-cloud-training" \t "_blank)

## oferecido por

[[](https://www.coursera.org/googlecloud)](https://www.coursera.org/googlecloud)

### **[Google Cloud](https://www.coursera.org/googlecloud)**

We help millions of organizations empower their employees, serve their customers, and build what’s next for their businesses with innovative technology created in—and for—the cloud. Our products are engineered for security, reliability, and scalability, running the full stack from infrastructure to applications to devices and hardware. Our teams are dedicated to helping customers apply our technologies to create success.

[Google Cloud Training, instrutor | Coursera](https://www.coursera.org/instructor/google-cloud-training)

[cloud.google.com/learn/training](https://cloud.google.com/learn/training)