

Course 5 overview

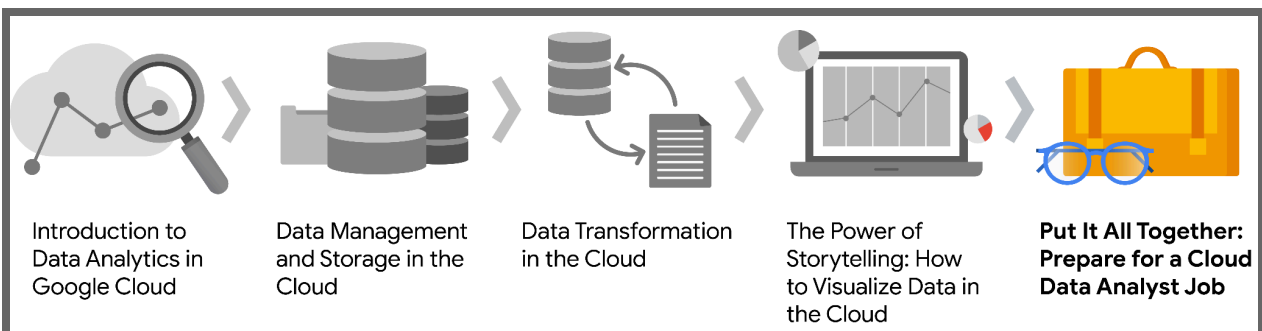
to Course 5

Hello and welcome to **Put It All Together: Prepare for a Cloud Data Analyst Job**, the fifth course in the Google Cloud Data Analytics Certificate. This is the final step in your learning journey!

In this course, you'll apply the foundational knowledge and skills you gained from the previous courses to complete a hands-on capstone project that focuses on the entire data lifecycle. You'll also get the opportunity to practice using cloud-based tools to acquire, store, process, analyze, and visualize data, and communicate data insights effectively. In this course, you'll complete a project that demonstrates your cloud data analytics skills. You'll also update your resume and practice interview techniques to prepare for a job search!

Certificate program progress

The Google Cloud Data Analytics Certificate program has five courses. **Put It All Together: Prepare for a Cloud Data Analyst Job** is the fifth course.



1. **Introduction to Data Analytics in Google Cloud** — In this course, you'll explore the foundations of cloud data analysis practices. Then, you'll learn more about the roles and responsibilities of a cloud data analyst, including data acquisition, storage, processing, and visualization.
2. **Data Management and Storage in the Cloud** — In this course, you'll learn more about how data is structured and organized. You'll also gain hands-on experience with data lakehouse architecture and cloud components like BigQuery, Google Cloud Storage, and DataProc to learn how to efficiently store, analyze, and process large datasets.
3. **Data Transformation in the Cloud** — In this course, you'll use data discovery and profiling methods to examine data quality and validity. You'll also use data mapping to establish relationships between different data sources, and explore transformation using various methods. Then, you'll apply data governance and security best practices to keep PII data safe, and learn how to implement a data transformation strategy for an organization.
4. **The Power of Storytelling: How to Visualize Data in the Cloud** — In this course, you'll develop skills in the five key stages of visualizing data in the cloud: storytelling, planning, exploring data, building visualizations, and collaborating with data. Then, you'll explore UI/UX skills to wireframe interactive and impactful, cloud-native visualizations. You'll also work with cloud-native data visualization tools to explore data sets, create reports, and build dashboards that drive decisions and foster collaboration.
5. **Put It All Together: Prepare for a Cloud Data Analyst Job** (current course) — In this course, you'll combine and apply the foundational knowledge and skills from previous courses to create a capstone project that focuses on the full data lifecycle. You'll also practice using cloud-based tools to acquire, store, process, analyze, visualize, and communicate data insights effectively. Then, you'll update your resume and practice interview techniques to prepare to apply and interview for jobs.

Course 5 content

Each course of this certificate program is broken into modules. You can complete courses at your own pace, but the breakdowns are designed to help you finish the entire Google Cloud Data Analytics Certificate in about 3-6 months if you complete about 1-2 modules per week.

What's to come? Here's a quick overview of the skills you'll learn in each module of this course.

Module 1: Introduction: Prepare for a cloud data analyst job

In this module, you'll review cloud data-focused career resources designed to effectively navigate the job market. You'll also get useful tips for polishing your resume and preparing for interviews.

Module 2: The capstone project

In this module, you'll bring everything you've learned together to complete a capstone project. This project will allow you to demonstrate your cloud data analytics knowledge and skills to potential employers. At the end of this module, you'll add your completed project to your online portfolio!

Module 3: Put your Cloud Data Analytics Certificate to work

In this module, you'll review what you've learned throughout the Google Cloud Data Analytics Certificate, and explore additional career resources to establish yourself as a cloud data professional.

What to expect

Each course offers many types of learning opportunities:

- **Videos** led by Google instructors teach new concepts, introduce the use of relevant tools, offer career support, and provide inspirational personal stories.
- **Readings** build on the topics discussed in the videos, introduce related concepts, share useful resources, and describe case studies.
- **Activities** and **labs** give you hands-on practice in applying the skills you're learning, and allow you to assess your own work by comparing it to a completed example.
- **Glossaries** provide a list of key terms for you to review to prepare for quizzes.
- **Interactive plug-ins** encourage you to practice specific tasks and help you integrate knowledge you've gained in the course.
- **In-video quizzes** help you check your comprehension as you progress through each video.
- **Practice quizzes** allow you to check your understanding of key concepts, and provide you with valuable feedback.
- **Graded quizzes** allow you to demonstrate your understanding of the main concepts of a course. You must score 80% or higher on each graded quiz to obtain a certificate. You can take a graded quiz multiple times to achieve a passing score.

Note: Some learning item types may not be included in every course.

Tips for success

- It's strongly recommended that you go through the items in each lesson in the order they appear because new information and concepts build on previous knowledge.
- Participate in all learning opportunities to gain as much knowledge and experience as possible.
- If something is confusing, don't hesitate to replay a video, review a reading, or repeat an activity.
- When you encounter useful links in this course, bookmark them so you can refer to the information later for study or review.