

Google Data Analytics Professional Certificate

Approximately 6 months to complete
Suggested pace of 10 hours/week

- ✓ Gain an immersive understanding of the practices and processes used by a junior or associate data analyst in their day-to-day job
- ✓ Understand how to clean and organize data for analysis, and complete analysis and calculations using spreadsheets, SQL and R programming customer service
- ✓ Learn key analytical skills (data cleaning, analysis, & visualization) and tools (spread sheets, SQL, R programming, Tableau)
- ✓ Learn how to visualize and present data findings in dashboards, presentations and commonly used visualization platforms

Skills Gained include:

Data cleaning, problem solving, critical thinking, data ethics, and data visualization

Platforms & tools Learnt:

Presentations, Spreadsheets, SQL, Tableau, and R Programming

Jobs Considered:

Data Analyst (General), Data Analyst (Business Performance), Data Analyst (Finance), Data Analyst (Healthcare), Data Analyst (Marketing), Clinical Data Analyst, Business Intelligence Analyst, Data Specialist, Data Manager, Data Quality Analyst, Database Analyst/Developer, Business Process Analyst, Operations Research Analyst, Business Analyst (General), Operations Analyst (General), Human Resources Analyst, Research Analyst, Healthcare Analyst, Database Administrator, SQL Server Database Administrator, MySQL Database Administrator, Jr. Data Scientist

Over 8 courses, gain in-demand skills that prepare you for an entry-level job. You'll learn from Google employees whose foundations in data analytics served as launchpads for their own careers. At under 10 hours per week, you can complete the certificate in less than 6 months.

This program includes over 180 hours of instruction and hundreds of practice-based assessments, which will help you simulate real-world data analytics scenarios that are critical for success in the workplace.

The content is highly interactive and exclusively developed by Google employees with decades of experience in data analytics. Through a mix of videos, assessments, and hands-on labs, you'll get introduced to analysis tools and platforms and key analytical skills required for an entry-level job.

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Syllabus

	Course Title	Hours	Learning Weeks
1	Foundation: Data, Data, Everywhere	22	<ol style="list-style-type: none"> 1. Introducing data analytics 2. Thinking analytically 3. Exploring the wonderful world of data 4. Setting up a data toolbox 5. Discovering data career possibilities
2	The Bits and Bytes of Computer Networking	17	<ol style="list-style-type: none"> 1. Asking effective questions 2. Making data-driven decisions 3. Learning spreadsheet basics 4. Always remember the stakeholder
3	Operating Systems and You: Becoming a Power User	23	<ol style="list-style-type: none"> 1. Data types and data structures 2. Understanding bias, credibility, privacy, ethics, and access 3. Databases: Where data lives 4. Organizing and protecting your data 5. Optional: Engaging in the data community 6. Course challenge
4	System Administration and IT Infrastructure Services	22	<ol style="list-style-type: none"> 1. Before you clean, check for integrity 2. All about clean data 3. Cleaning data in SQL 4. Verify and report your cleaning results 5. Optional: Adding data to your resume 6. Course challenge
5	IT Security: Defense against the digital dark arts	23	<ol style="list-style-type: none"> 1. Organizing data to begin analysis 2. Formatting and adjusting data 3. Aggregating data for analysis 4. Performing data calculations
6	Share Data Through the Art of Visualization	21	<ol style="list-style-type: none"> 1. Visualizing data 2. Creating data visualizations with Tableau 3. Crafting data stories 4. Developing presentations and slideshows
7	Data Analysis with R Programming	37	<ol style="list-style-type: none"> 1. Programming and data analytics 2. Programming using RStudio 3. Working with data in R 4. More about visualizations, aesthetics, and annotations 5. Documentation and reports
8	Google Data Analytics Capstone: Complete a Case Study	6	<ol style="list-style-type: none"> 1. Learn about capstone basics 2. Optional: Building your portfolio 3. Optional: Using your portfolio 4. Putting your certificate to work