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Google Data Analytics Professional Certificate

Get on the fast track to a career in Data Analytics. In this certificate program, you'll learn in-demand skills, and get AI training from Google experts. Learn at your own pace, no degree or experience required.



Instructor: [Google Career Certificates](#)

✦ New AI skills

Enroll for free

Starts Nov 20

3,133,940 already enrolled

Included with **coursera PLUS** • [Learn more](#)

9 course series

Earn a career credential that demonstrates your expertise

4.8 ★

(1,63,600 reviews)

Beginner level

Recommended experience ⓘ

Flexible schedule

6 months at 10 hours a week

Learn at your own pace

Build toward a degree

[Learn more](#)

What you'll learn

- ✓ Gain an immersive understanding of the
- ✓ Learn key analytical skills (data cleaning,

Enroll for free
Starts Nov 20

- ✓ Understand how to clean and organize data for analysis, and complete analysis and calculations using spreadsheets, SQL and R programming
- ✓ Learn how to visualize and present data findings in dashboards, presentations and commonly used visualization platforms

Skills you'll gain

Data Analysis

Professional Development

Interviewing Skills

Data Storytelling

Data Structures

Tableau Software

Python Programming

Rmarkdown

Dashboard

Data Presentation

Presentations

Sampling (Statistics)

Ggplot2

Data Visualization

Spreadsheet Software

Data Processing

Data Validation

Data Ethics

Data Cleansing

Data Literacy

[View less skills](#)

Details to know



Shareable certificate

Add to your LinkedIn profile



Taught in English

[11 languages available](#)



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May 2025

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Prepare for a career as a Data Analyst

- Receive professional-level training from Google
- Demonstrate your technical proficiency
- Earn an employer-recognized certificate from Google

[Explore this role →](#)

₹303,299

median entry-level salary¹

26,461

job openings in India¹

Professional Certificate - 9 course series [★ New AI skills](#)

Get professional training designed by Google and prepare for a new career in the high-growth field of data analytics, no experience required.

Data analytics is the collection, transformation, and organization of data in order to draw conclusions, make predictions, and drive informed decision making.

You'll prepare yourself for jobs that include junior or associate data analyst, database administrator, and more.

Check out all Google Career Certificates [here](#) [↗](#). **Now INR 1774/month**
The certificate can be completed in less than 6 months of part time study.

Applied Learning Project

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.

Skills you'll gain will include: Data cleaning, problem solving, critical thinking, data ethics, and data visualization

Platforms and tools you will learn include: Presentations, Spreadsheets, SQL, Tableau and R Programming

In addition to expert training and hands-on projects, you'll complete a case study that you can share with potential employers to showcase your new skill set. Learn concrete skills that top employers are hiring for right now.

[Read less](#)



Foundations: Data, Data, Everywh...

Course 1 • 12 hours

[Course details](#) [^](#)

What you'll learn

- ✓ Define and explain key concepts involved in data analytics including data, data analysis, and data ecosystems.

- ✓ Conduct an analytical thinking self assessment giving specific examples of the application of analytical thinking.
- ✓ Discuss the role of spreadsheets, query languages, and data visualization tools in data analytics.

Data Analysis

Spreadsheet Software

Analytical Skills

Data-Driven Decision-Making

Data Visualization

Data Ethics

Data Visualization Software

SQL

Data Collection

Data Sharing

Analytics

Tableau Software

Data Processing

Google Sheets

Business Analytics

Data Cleansing



Ask Questions to Make Data-Driven Decisions

Course 2 • 15 hours



Prepare Data for Exploration

Course 3 • 18 hours

[Course details](#) ^

What you'll learn

- ✓ Explain what factors to consider when making decisions about data collection.
- ✓ Discuss the difference between biased and unbiased data.
- ✓ Describe databases with references to their functions and components.
- ✓ Describe best practices for organizing data.

Skills you'll gain

SQL

Data Security

Data Collection

Data Ethics

Metadata Management

Data Analysis

Data Quality

Data Management

Google Sheets

Data Storage

Data Literacy

Databases

Data Import/Export

Unstructured Data



Process Data from Dirty to Clean

Course 4 • 16 hours





Analyze Data to Answer Questions

Course 5 • 25 hours

[Course details](#) ^

- ✓ Convert and format data.
- ✓ Apply the use of functions and syntax to create SQL queries to combine data from multiple database tables.
- ✓ Describe the use of functions to conduct basic calculations on data in spreadsheets.

Skills you'll gain

SQL

Data Manipulation

Excel Formulas

Data Analysis

Data Validation

Pivot Tables And Charts

Spreadsheet Software

Data Compilation

Data Transformation

Data Integration

User Feedback

Analytics



Share Data Through the Art of Visualization

Course 6 • 18 hours



Data Analysis with R Programming

Course 7 • 31 hours

[Course details](#) ^

What you'll learn

- ✓ Describe the R programming language and its programming environment.
- ✓ Explain the fundamental concepts associated with programming in R including functions, variables, data types, pipes, and vectors.
- ✓ Describe the options for generating visualizations in R.
- ✓ Demonstrate an understanding of the basic formatting in R Markdown to create structure and emphasize content.

Skills you'll gain

R Programming

Tidyverse (R Package)

Data Manipulation

Data Cleansing

Data Analysis

Rmarkdown

Ggplot2

Data Visualization Software

Data Visualization

Statistical Programming

Data Structures

Programming Principles

Integrated Development Environments

Offered by



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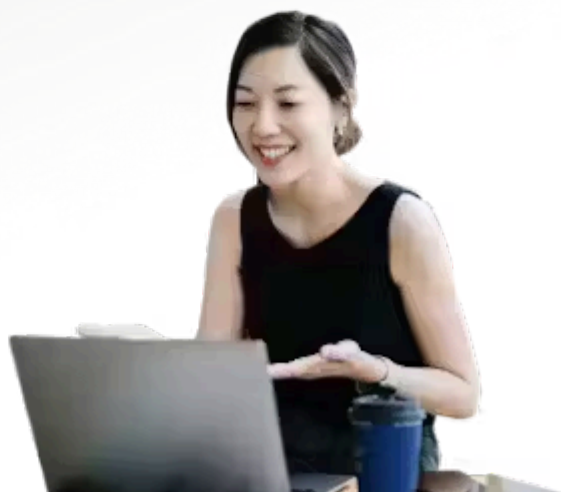
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Frequently asked questions

✓ Can I just enroll in a single course?

^ Is this course really 100% online? Do I need to attend any classes in person?

This course is completely online, so there's no need to show up to a classroom in person. You can access your lectures, readings and assignments anytime and anywhere via the web or your mobile device.

✓ What is data analytics?

✓ Why start a career in data analytics?

✓ How much does this certificate cost?

✓ Is this program offered in other languages?

✓ What background knowledge is necessary?

✓ Do I need to take the courses in a specific order?

✓ Will you be teaching R or Python?

✓ Which jobs does this program prepare for?

✓ What will I be able to do upon completing the professional certificate?

✓ What resources will be available to help with the job search process?

✓ Why did Google create this program?

Show less ^



More questions

[Visit the learner help center](#)

Financial aid available, [learn more](#)

Content Creator, Machine Learning Engineer and Salesforce Development Representative (1/1/2024 - 31/12/2024)
All other job roles (1/11/2024 - 1/11/2025)

² Positive career outcome (e.g., new job, promotion, or raise) within six months of completion. Based on program graduate survey, United States 2022.

Skills

Artificial Intelligence (AI)
Cybersecurity
Data Analytics
Digital Marketing
English Speaking
Generative AI (GenAI)
Microsoft Excel
Microsoft Power BI
Project Management
Python

Certificates & Programs

Google Cybersecurity Certificate
Google Data Analytics Certificate
Google IT Support Certificate
Google Project Management Certificate
Google UX Design Certificate
IBM Data Analyst Certificate
IBM Data Science Certificate
Machine Learning Certificate
Microsoft Power BI Data Analyst Certificate
UI / UX Design Certificate

Industries & Careers

Business
Computer Science
Data Science
Education & Teaching
Engineering
Finance
Healthcare
Human Resources (HR)
Information Technology (IT)
Marketing

Career Resources

Career Aptitude Test
Examples of Strengths and Weaknesses for Job Interviews
High-Income Skills to Learn
How Does Cryptocurrency Work?
How to Highlight Duplicates in Google Sheets
How to Learn Artificial Intelligence
Popular Cybersecurity Certifications
Preparing for the PMP Certification
Signs You Will Get the Job After an Interview

What We Offer

Leadership

Careers

Catalog

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Certificates

MasterTrack®
Certificates

Degrees

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For Government

For Campus

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