How to Become a Data Analyst

October, 19, 2022
Hello!

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Demystifying the data analyst role
“[data analysts] take raw or unstructured data and come up with analyses that produce digestible results that executives and others can use to make decisions”

techopedia
What data analysts do

DATA MANAGEMENT
Data organization

EXPLORATORY ANALYSIS
Data investigation

STATISTICAL EXPERIMENTATION
Testing hypotheses

DATA COMMUNICATION
Data stories

CODING FOR PRODUCTION
Programming

ANALYTICS FUNDAMENTALS
Data methods
Average salary for data analysts across the world

- **Canada**: $47k (CA$65k)
- **USA**: $67k
- **UK**: $40k (£35k)
- **Germany**: $55k (€57k)
- **India**: $7k (₹600k)
- **Australia**: $57k (AU$90k)

*Data sources from Glassdoor for 2022 for Data Analyst Positions across all years of experience*
Salary range for data analysts at Amazon

- **Likely Range**: 72K to 182K
- **Possible Range**: 72K to 182K

**113K** average salary

* Data sources from Glassdoor for 2022 for US-based Data Analyst Positions across all years of experience
The skills needed to become a data analyst
Data analyst skills

**TECHNICAL SKILLS**
- CODING/TOOLS SKILLS
- METHODOLOGY KNOWLEDGE
- TECHNICAL COMMUNICATION

**POWER SKILLS**
- BUSINESS KNOWLEDGE
- STAKEHOLDER MANAGEMENT
- LEADERSHIP
Learning paths to become a data analyst
Data analyst career tracks and certification

ASSOCIATE

[Career Track] Data Analyst with SQL

8 Courses
32 hours

PROFESSIONAL

[Career Track] Data Analyst with R

8 Courses
32 hours

[Career Track] Data Analyst with Python

8 Courses
32 hours

OR

Data analyst career tracks and certification

ASSOCIATE

[Career Track] Data Analyst with SQL

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PROFESSIONAL

[Career Track] Data Analyst with R

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[Career Track] Data Analyst with Python

8 Courses
32 hours

OR
Coding and tools resources

BEGINNER RESOURCES
- Introduction to SQL
- Introduction to Power BI
- Introduction to Tableau

INTERMEDIATE & ADVANCED RESOURCES
- Introduction to R
- Introduction to Python

EXTRA RESOURCES
- SQL Basics Cheat Sheet
- SQL Joins Cheat Sheet
- Power BI Cheat Sheet
- Tableau Cheat Sheet
Methodology resources

BEGINNER RESOURCES
- Introduction to Statistics (Theory)
- Exploratory Data Analysis in SQL
- Exploratory Data Analysis in Power BI

INTERMEDIATE & ADVANCED RESOURCES
- Statistical Techniques in Tableau
- Statistics Fundamentals with R
- Statistics Fundamentals with Python

EXTRA RESOURCES
- Machine Learning for Everyone
Technical communication resources

BEGINNER RESOURCES
- Data Visualization for Everyone
- Reporting in SQL
- Data Communication Concepts

INTERMEDIATE & ADVANCED RESOURCES
- Creating Dashboards in Tableau
- Reports in Power BI

EXTRA RESOURCES
- Data Visualization Cheat Sheet
- [Career track] Data Analyst in Power BI
Why DataCamp Certification?

- **Tool / Product Agnostic**: We objectively certify based on industry competencies, not product knowledge.
- **Cost effective**: Certification access is included in Learn subscriptions.
- **Personal Grading**: Real-world application via case study submissions are personally graded by humans.
- **Trusted & Credible**: Offered by the leader in data science education.
What’s in it for you?

✓ Validate the knowledge and skills you’ve learned outside of academic settings
✓ Prove you can apply knowledge to business problems
✓ Build confidence by knowing you’re job ready
✓ Stand out to employers and accelerate the job hunt
How this plays out in practice

91%
Of employers believe certifications play a key role in the hiring process

$12K
Earning a certification can generate up to a 12K salary increase per year

Comptia

Global Knowledge
Certified candidates get exclusive access to the DC Certified Community

- Events with industry experts
- Group forums for peer feedback
- Exclusive content and resources