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[Boot Camps](#) > Data Analytics Boot Camps

# Compare data analytics boot camp programs online

A growing field that transforms data into decisions

[Explore data analytics boot camps](#)



## Why complete a data analytics boot camp?

### Global network

Access a network of 250+ employers looking to hire.

### Student success

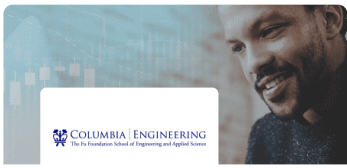
Stay on track with personalized academic support.

### Career support

Leverage free professional resources throughout your career.

## Explore online data analytics boot camp programs

New



### **Data Analytics Boot Camp**

[Columbia Engineering](#)

Boot Camp



### **Data Analytics Boot Camp**

[UC Berkeley Extension](#)

Boot Camp



### **Data Analytics Boot Camp**

[Vanderbilt University](#)

Boot Camp



### **Data Analytics Boot Camp**

[University of Oregon Continuing...](#)

Boot Camp

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## **AI boot camps**

Learn how to leverage AI and machine learning to automate, solve problems, and drive results. No previous programming experience required.



### **AI Boot Camp**

[Michigan State University](#)

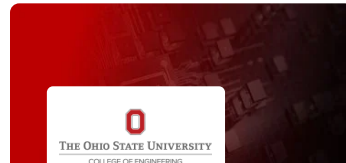
Boot Camp



### **AI Boot Camp**

[University of Denver](#)

Boot Camp



### **AI Boot Camp**

[The Ohio State University](#)

Boot Camp



### **AI Boot Camp**

[Southern Methodist University](#)

Boot Camp

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# What does a data analyst do?

Data analysts are storytellers. They retrieve, interpret, and organize big data to draw meaningful conclusions for organizations and companies. As a certified data analyst, you will compile your findings into accessible visualizations, allowing stakeholders to make informed business decisions. At its core, a data analytics career requires collaboration, accuracy, and technical skills, including software comprehension and data management. Browse [data analytics boot camps by location](#)



## Admission requirements for a data analyst boot camp

**Admissions requirements and prerequisites for an online data analytics boot camp may vary.** At edX, [our boot camps](#) require:

- A high school diploma
- A submission form
- An admissions conversation
- A complete application
- A problem-solving assessment (no prior industry knowledge is required)
- A financial option, deposit, and enrollment agreement

**You do not need previous professional experience, a [bachelor's](#), or a [master's degree](#)** to apply to an edX data analytics boot camp. Our expert instructors will teach you how to **transform complex information into effective presentations**.

Explore [data analytics boot camps for beginners](#) and [affordable data analytics boot camps](#)

## What alumni are saying



— Charles R., Northwestern Data Science  
and Visualization Boot Camp alum

"I chose to attend [a data analytics boot camp] to round out my technical skills, and the program did all that and more. I am a significantly better programmer than I was when I started. "

## What does a data analytics class teach?

Our data analytics boot camp is a learner-first online experience that combines collaborative, hands-on training with real-world data sets. It provides you with the tools to collect, analyze, and visualize big data — and to **make your next career move**.

Explore [part-time data analytics boot camps](#) and [24-week data analytics boot camps](#)

## Data analytics boot camp curriculum

### Module 1: Excel crash course

Do more with Microsoft Excel. You'll even learn to model historic stock trends — and, hopefully, beat the market.

#### You will learn:

- Pivot tables
- Forecasting
- VBA scripting
- Statistics modeling

### Module 2: Python data analytics

Gain a strong foothold in one of today's fundamental programming languages.

#### You will learn:

- Python 3

- APIs
- NumPy
- SciPy
- Pandas
- Matplotlib

### **Module 3: Databases**

Learn to organize data into well structured and easily retrievable data formats.

#### **What you will learn:**

- SQL
- PostgreSQL/pgAdmin
- MongoDB
- Extract, Transform, Load (ETL) process

### **Module 4: Web visualization**

Master the core technologies of web development and create new, interactive data visualizations that you can share with everyone on the web.

#### **What you will learn:**

- HTML
- CSS
- Bootstrap framework
- JavaScript charting
- Geomapping with Leaflet.js

### **Module 5: Machine learning and other advanced topics**

Explore new and in-demand topics and tools.

#### **You will learn:**

- Tableau
- Data ethics
- Hadoop
- Machine learning

### **Module 6: Final project**

Add to your portfolio. Your final project is an opportunity to get creative and collaborate with a small group of students to design an impressive data visualization application.

## What are the highest paying data analytics jobs?

**You may be able to boost your potential salary** with a data analytics boot camp online. According to the U.S. Bureau of Labor Statistics, the overall median annual salary for operations research analysts in 2021 was **\$82,360 per year**.<sup>1</sup> But, remember: **Factors such as location and experience level may impact your data analytics salary.**

Explore data analytics boot camps

## How to become a data analyst online

Data analysts collect, interpret, and store more than 2.5 quintillion bytes of data that are created each day — much of which can be used to **translate information into global insights, predict future trends, and help organizations make better decisions.**

To excel in your data analytics [boot camp](#), you should leverage dynamic skills, including:

### Soft skills

- Communication
- Problem-solving
- Teamwork
- Detail-oriented
- Collaboration
- Critical thinking

### Hard skills

- SQL
- Tableau
- Machine learning
- Python
- CSS
- Data mining and modeling

# Frequently asked questions

- What do you learn in data analytics boot camps? ▾
- Is an online data analytics boot camp worth it? ▾
- Does data analytics require coding? ▾
- Is there a lot of math in data analytics? ▾
- What is the difference between data science and data analytics? ▾
- What is the average data analyst salary? ▾
- How much does a data analytics boot camp cost? ▾
- Are there data analytics boot camp discounts for military veterans? ▾

[1] Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, [Financial Analysts](#) ↗, (visited August 2022). ↗

[2] Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, [Financial Analysts](#) ↗, (visited August 2022). ↗



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