

Data Analytics

4 months

Online

Part-time

Table of contents

| | |
|---|----|
| What is Data Analytics? | 2 |
| Program Structure | 3 |
| Sprint 1. A First Look at Business Data Analytics | 4 |
| Sprint 2. Spreadsheet Data Analysis | 5 |
| Sprint 3. Data Collection and Storage (SQL) | 6 |
| Sprint 4. Python for Data Analysis | 7 |
| Sprint 5. Data Visualization with Power BI | 8 |
| Sprint 6. Predictive Analytics | 9 |
| Sprint 7. Communicating Complex Results | 10 |
| Sprint 8. Capstone Project | 11 |
| Career Preparation | 12 |

What is Data Analytics?

Data Analytics by TripleTen is a 4-month, hands-on program designed for people from diverse backgrounds. No prior tech experience is required—just the ambition to build a career in data analytics. The program prepares you for a Data Analyst role using modern analytics tools, professional workflows, and a shared focus on helping you secure a Data Analytics job after graduation.

You'll work with real business data and learn how to turn it into insights that support decision-making. The program covers core data analytics essentials, including SQL, Python, Power BI, and Tableau. You'll also be introduced to predictive analytics and machine learning concepts, and use AI-powered tools to support analysis and communication.

By the end of the program, you'll complete multiple hands-on projects, including a comprehensive capstone that demonstrates your ability to work across the full data analytics workflow.

Alongside technical training, you'll receive ongoing career support, including career coaching, resume and LinkedIn preparation, networking guidance, and mock interviews—all aligned with the shared goal of helping you secure a Data Analytics role after graduation.

Program Structure

Your journey will be structured as a series of eight two-week sprints. Each sprint focuses on a specific set of analytical and technical skills, reinforced through hands-on tasks and project work.

Each sprint includes a technical project that reflects real Data analytics workflows. Some sprints also include career preparation materials, where you'll work on building your resume, optimizing your LinkedIn profile, and preparing for the job search alongside your technical training.

We provide rough time estimates but recommend spending around 20 hours per week studying. However, we understand that everyone has different commitments and people learn at different speeds—so, we provide you with the possibility to extend your deadlines by 8 weeks in total.

The final sprint is dedicated to a capstone project, where you'll apply everything you've learned to solve an end-to-end business analytics problem. After successfully completing all required projects, including the capstone, and passing both technical and HR mock interviews with our team, you'll receive a program completion certificate.

Sprint 1.

2 weeks

A First Look at Business Data Analytics

You'll get an overview of how data analysts work with data and support decision-making. You'll learn how BI differs from other types of analytics, focus on descriptive analysis, and explore core business metrics such as revenue, margins, retention, and churn. You'll also be introduced to common analytical frameworks, including funnel and cohort analysis, and learn how they are used to evaluate business performance. During the sprint, you'll set up your working environment, learn the basics of working with Git and GitHub, and get an introduction to AI tools used to support analytics work.

Project description

Audit a raw business dataset to identify key metrics, assess data quality, and plan an analytical approach. You'll document your findings and proposed metric definitions in a GitHub repository.

Sprint 2.

2 weeks

Spreadsheet Data Analysis

You'll learn how to clean, analyze, and summarize data using spreadsheets, focusing on descriptive statistics and practical data preparation techniques. You'll work with common data cleaning tools, apply aggregations through pivot tables, and use basic visual elements to explore patterns and trends. The sprint focuses on building a strong analytical foundation that will later transfer to SQL and other analytics tools.

Project description

Clean and analyze a real-world dataset using spreadsheets. You'll prepare the data, calculate key performance metrics, and create a simple KPI summary to evaluate performance over time.

Career preparation

You'll work with a career coach to develop your job search strategy and understand how to position yourself for potential roles.

Sprint 3.

2 weeks

Data Collection and Storage (SQL)

You'll learn how to work with data stored in relational databases and use SQL to retrieve exactly the information you need. The sprint introduces how tables are structured and connected, and how to write queries to filter, aggregate, and combine data. You'll focus on using SQL to answer business questions efficiently, rather than working with entire datasets.

Project description

Analyze a real-world database using SQL to compare company outcomes. You'll write queries to summarize results and present your findings using simple visualizations.

Sprint 4.

2 weeks

Python for Data Analysis

You'll learn how to use Python to automate data cleaning and analysis tasks that are difficult or time-consuming in spreadsheets. The sprint introduces Python as part of a modern analytics workflow, including working with structured datasets, connecting to databases, and performing exploratory data analysis to uncover patterns and trends.

Project description

Analyze an e-commerce dataset using Python. You'll clean and prepare the data, explore key patterns, and answer business questions using exploratory analysis and basic visualizations.

Sprint 5.

2 weeks

Data Visualization with Power BI

You'll learn how to build interactive dashboards designed for business stakeholders. The sprint focuses on connecting and modeling data for reporting, creating meaningful metrics, and designing dashboards that support exploration and decision-making in enterprise environments.

Project description

Build an interactive Power BI report to analyze the Shopify app ecosystem. You'll model the data, create key metrics, and design dashboard pages that highlight patterns and factors related to app performance.

Career preparation

You'll create and refine your resume based on your completed projects and technical skills.

Sprint 6.

2 weeks

Predictive Analytics

You'll be introduced to predictive analytics and learn how machine learning models are used to support business decisions. Building on your Python skills, you'll explore supervised learning concepts and learn how models can be used to predict outcomes such as customer churn. The sprint also covers how to evaluate model performance and interpret results in a business context.

Project description

Build a machine learning model in Python to predict customer churn using historical data. You'll train and evaluate the model and assess its performance using standard classification metrics.

Career preparation

You'll optimize your LinkedIn profile and begin building relationships with professionals in the tech industry.

Sprint 7.

2 weeks

Communicating Complex Results

You'll learn how to combine analytical rigor with clear, executive-level communication. This sprint focuses on turning complex analysis into a coherent narrative, applying best practices in data visualization, and framing insights in a way that supports strategic decision-making.

Project description

Prepare and deliver an executive business review based on a real-world dataset. You'll synthesize analytical findings into a clear narrative, present recommendations, and record a short presentation for a leadership audience.

Career preparation

You'll practice your first HR mock interview and receive structured feedback.

Sprint 8.

2 weeks

Capstone Project

You'll work independently on a comprehensive analytics project that brings together everything you've learned throughout the program. The capstone focuses on owning the full analytics workflow, from defining a business problem and working with multiple data sources to building analysis, models, and stakeholder-ready dashboards.

Project description

Design and complete an end-to-end data analytics project in a domain of your choice. You'll collect data from multiple sources, build an analytical pipeline, create an interactive dashboard, and document your work in a complete project repository.

Career preparation

You'll complete a technical mock interview to prepare for Data Analytics interviews.

Sprint 8.

2 weeks

Capstone Project

You'll work independently on a comprehensive analytics project that brings together everything you've learned throughout the program. The capstone focuses on owning the full analytics workflow, from defining a business problem and working with multiple data sources to building analysis, models, and stakeholder-ready dashboards.

Project description

Design and complete an end-to-end BI analytics project in a domain of your choice. You'll collect data from multiple sources, build an analytical pipeline, create an interactive dashboard, and document your work in a complete project repository.

Career preparation

You'll complete a technical mock interview to prepare for BI Analytics interviews.

Career Preparation

From day one

Access career-focused lessons that strengthen both:

Hard skills: for job applications

Soft skills: networking, communication, self-promotion and interview techniques

As you progress

- Participate in Code Jams—team competitions to apply your skills
- Complete an Externship—gain real-world business experience (you'll learn more as you advance!)

Midway through

Partner with a career coach to:

- Develop a personalized job search strategy
- Perfect your resume, LinkedIn profile, and portfolio
- Practice interview & networking techniques in group and individual sessions

After graduation

Enter the job search phase with support from a Placement Coordinator:

- Regular check-ins to keep you on track
- Feedback to improve applications and networking
- Help connecting with recruiters and hiring managers
- AI-powered job search platform to manage applications and track progress

tripleten

Learn the job. Land the job.

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