

Data Analytics Certificate

Learn the skills you'll need to become a Data Analyst or Business Analyst, including data analysis, visualization, statistical analysis, and how to work with relational databases. Build a portfolio of projects and prepare for a career.

Group classes in NYC and onsite training is available for this course. For more information, email contact@nyimtraining.com or visit: <https://training-nyc.com/certificates/data-analytics>



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Course Outline

This package includes these courses

- Excel for Data Analytics (18 Hours)
- Data Analytics Foundations (12 Hours)
- Python for Data Science Bootcamp (30 Hours)
- SQL Bootcamp (PostgreSQL) (18 Hours)
- Python for Automation (6 Hours)
- Python Machine Learning Bootcamp (30 Hours)
- Tableau Bootcamp (12 Hours)

This program requires basic Excel skills, such as formatting, calculations, and basic worksheet management. If you want to learn the essentials of Excel before starting the Data Analytics Certificate, email us after you register for the program to attend our Excel Fundamentals class at no additional charge.

- Excel for Business Fundamentals
- Power BI Bootcamp

Excel for Data Analytics

- Learn fundamental database and statistical functions
- Use Pivot Tables and lookup functions (including VLOOKUP)
- Create simple macros to speed up your workflow

Data Analytics Foundations

- Fundamentals of data analytics and statistics
- How to use data for forecasting & decision-making
- How businesses use data analytics in their processes

Python for Data Science Bootcamp

Learn the fundamentals of Python and object-oriented programming in this 5-day intensive course. You'll gain a solid understanding of Python, with a strong emphasis on using libraries and frameworks for data science.

SQL Bootcamp (PostgreSQL)

- Explore information stored in a database (tables, columns, rows, etc.) using the graphical interface of DBeaver (a popular free database app)
- Write SQL queries to retrieve data from tables in a database
- Combine information from multiple tables with JOIN statements
- Filter data, group it, and sort it to extract the specific info you need
- Advanced techniques like Subqueries, String Functions, and IF-Else logic with CASE
- How to use Views and Functions with parameters instead of directly querying tables

Python for Automation

This class will teach students how to scrap and mine the web for any type of data. Whether you are in academics, business, journalism or anything in between - this class will be extremely beneficial. Students will learn two major skills in this course: Python and Webscraping. Students will first be introduced to the most powerful programming language in the world and later learn one of its many libraries. If you are interested in pursuing this skill further, check out our [Python for Data Science Bootcamp](#).

Python Machine Learning Bootcamp

Take a step beyond normal programming, into using algorithms that can independently learn patterns and make decisions. Machine learning skills are in high demand, as these algorithms now run the majority of trading on Wall Street and the product recommendations at big companies like Amazon, Spotify, and Netflix.

Tableau Bootcamp

- Learn to identify datasets to connect to, explore, analyze, filter, and structure your data
- Create a variety of maps to represent geographic data
- Build actions to control your visualizations within your sheets and dashboards