

# Data Analyst Master's program

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## Program Overview:

Simplilearn's Data Analyst Master's Program, in collaboration with IBM, helps you master the concepts of data science, statistics, data analytics, business analytics, Python and R programming, Tableau, Power BI and SQL databases. The program helps you gain the skills to interpret data, create data visualizations, and build interactive dashboards. You will perform regression analysis and learn clustering techniques and data analytics.

## Program Highlights:

- 250+ hours of applied learning
- Industry-recognized certificates from IBM (for IBM courses) and Simplilearn
- Portfolio-worthy Capstone
- 12+ real-life projects
- 30+ in-demand skills
- Lifetime access to self-paced learning and class recordings

## Course Delivery Method:

Online Bootcamp: Online self-paced video-based learning and live virtual classroom conducted by the industry's leading coaches

## Prerequisites:

To take this Data Analyst Master's program you should have a basic understanding of mathematics.

## Skills Covered:

- Data analytics
- Business analytics
- Data visualization
- Clustering methods
- Python programming
- R programming
- Statistics
- Regression analysis

## Tools Covered:

- Excel
- NumPy
- Pandas
- SciPy
- Tableau
- IBM Watson
- Power BI
- Python
- R

## Who Will Benefit:

This Data Analyst Master's program is best suited for IT specialists, banking and finance professionals, marketing managers, supply chain network managers, and recent graduates looking to begin their career in the data analytics field.

## Key Learning Outcomes:

- Understand essential statistical concepts, including measures of central tendency, dispersion, correlation, and regression.
- Master SQL concepts such as Universal Query Tool and SQL commands.
- Write your first Python program by implementing variables, strings, functions, loops, and conditions.
- Understand the nuances of lists, sets, dictionaries, conditions and branching, objects, and classes in Python. Work with data in Python, including reading



and writing files, loading, working, and saving data with Pandas.

- Learn how to interpret data in Python using multi-dimensional arrays in NumPy, manipulate DataFrames in Pandas, use the SciPy library of mathematical routines, and execute machine learning using scikit-learn. Perform data analytics using popular Python libraries.

## Accreditations:

NA

## Learning Path:

- Introduction to Data Analytics
- Business Analytics with Excel
- Tableau Training
- Power BI
- Programming Basics and Data Analytics with Python
- Data Science with R Programming
- Data Analyst Capstone



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## About us:

Synermesh SA The Synermesh PAAS (powered by the Zoho SAAS; Simplilearn LMS); PMI training) connects the our staff & partners with the top Banks; Funds Administrators; and Funds Managers active in Luxembourg. Within our platform we provide access to our consultants to: tools to support project management & digital transformation: accounting services; training services; and specialised tools to support the specific operations related to Fund Administration

Simplilearn is a leader in digital skills training, focused on the emerging technologies that are transforming our world. Our blended learning approach drives learner engagement and is backed by the industry's highest completion rates. Partnering with professionals and companies, we identify their unique needs and provide outcome-centric solutions to help them achieve their professional goals.

Founded in 2009, Simplilearn is one of the world's leading providers of online training for Digital Marketing, Cloud Computing, Project Management, Data Science, IT Service Management, Software Development and many other emerging technologies. Based in Bangalore, India, San Francisco, California, and Raleigh, North Carolina, Simplilearn partners with companies and individuals to address their unique needs, providing training and coaching to help working professionals meet their career goals. Simplilearn has enabled over 1 million professionals and companies across 150+ countries train, certify and upskill their employees.

Simplilearn's 400+ training courses are designed and updated by world-class industry experts. Their blended learning approach combines e-learning classes, instructor-led live virtual classrooms, applied learning projects, and 24/7 teaching assistance. More than 40 global training organizations have recognized Simplilearn as an official provider of certification training. The company has been named the 8th most influential education brand in the world by LinkedIn.