

The 365 Data Science Program Roadmap

Become a data science expert from scratch

How to take the program?

1st Module | Data Science Fundamentals

If you don't have any statistics or mathematics background, this is the best place to start. The courses in this module will help you create a strong foundation for your data science career. You will be introduced to the field of data science as a whole and start working with data in Excel. Then, once you understand the principles of probability, you will learn how to test hypotheses and think like a statistician. We will also teach you the linear algebra you need to know so you can later develop machine and deep learning models. Finally, we will show you how to analyze data and visually present the results of your analysis in Tableau.

Intro to Data and Data Science	Data Strategy	Intro to Microsoft Excel	Advanced Microsoft Excel
Probability	Statistics	Mathematics	Tableau
Power BI	Starting a Career in Data Science	SQL for Data Science Interviews	Coming Soon

2nd Module | Programming for Data Science

In the second module of the training, you will focus on developing a versatile programming skillset. The courses in this Module will teach you how to work with relational databases and how to use essential SQL queries to preprocess data. Then we will show you how to integrate SQL with Tableau to leverage the capabilities of both tools. You will then learn how to code in Python and work with popular Python libraries, like numpy, and matplotlib. Finally, we will teach you the best ways to manipulate and visualize data in R.

SQL	SQL + Tableau	Intro to Jupyter	Intro to Python
Intro to R Programming	Python Programmer Bootcamp	Git and GitHub	Data Visualization
Data Preprocessing with NumPy	Data Preprocessing with pandas	Coming Soon	

3rd Module | Machine and Deep Learning

Module 3 of the training is designed to expand on your knowledge from Modules 1 and 2. Here you will start applying advanced statistical methods to do predictive analytics. You will learn how to use sklearn to build complete linear and logistic regression models from scratch, and how to cluster unlabeled datasets with k-means. You will progress to building deep learning models with the Keras library in Tensor-Flow 2.0, optimizing your neural network with backpropagation, and fine-tuning your model.

Machine Learning	Deep Learning with TensorFlow	Deep Learning with TensorFlow 2.0	SQL + Tableau + Python
Convolutional Neural Networks in Python	Coming Soon		

4th Module | Advanced Specialization

The courses in Module 4 are focused on developing a specialized industry-relevant skillset and you are encouraged to complete Modules 1, 2, and 3 before you start this part of the training. Here you will learn how to perform Credit Risk Modeling which is a crucial skill for a career in the banking sector. If you're interested in working in retail and marketing, you can instead learn how to do Customer Analytics for e-commerce or other commercial companies. If you're interested in working in finance, our Time Series Analysis course will teach you how build different time series models to make accurate forecasts and estimations with time series data.

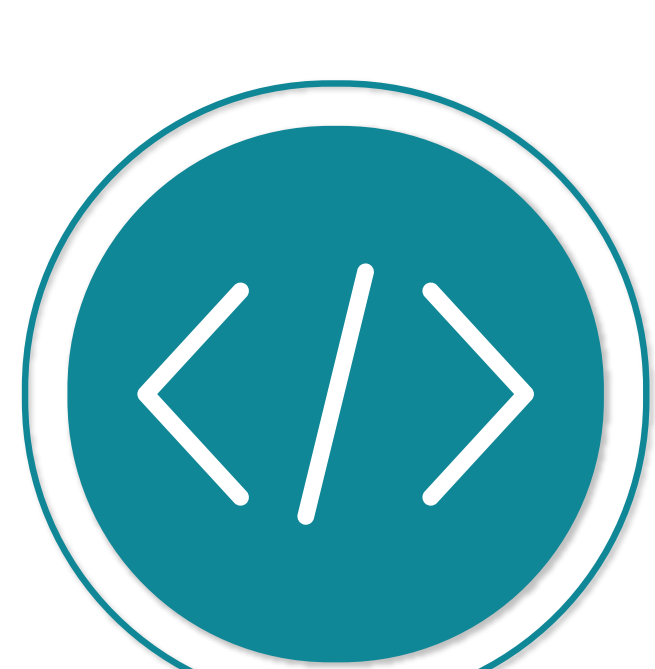
Fashion Analytics with Tableau	Customer Analytics	Credit Risk Modeling	Time Series Analysis
Web Scraping in Python	Python for Finance	Intro to Business Analytics	Product Management for AI and Data Science
AI Applications for Business Success			

How to practice?



Exercises

Download more than 1,000 real-life exercises, data and solution files. Solve them on your own computer as you would in the office.



Projects

Combine and integrate your skills creatively to solve the larger projects at the end of each topic. Prepare for industry relevant problem statements.



Course notes

Use the course notes and additional resources as a quick reference in your work. Go back to topics you've already studied and test your knowledge.

Can I ask questions?

Absolutely! Asking questions and engaging with the material, as well as helping others understand concepts you already know, is an amazing learning opportunity! If you can't quite solve the problem you're trying to solve, or need a clarification for your quest, join us on our Q&A Hub page. Post your questions there and a 365 Data Science instructor or member of the community will reply.

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- [BLOG](#)
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How to get my certificate?



Individual Course Certificate

You can earn a verifiable certificate after each completed course. Once you complete a course, you will receive an email with your new certificate. Keep celebrating your successes as you progress through the program!



Certificate of Completion

This verifiable certificate is issued when you complete all the courses in the training. You can request this certificate and suggest what customization you'd like by sending an email to support@365datascience.com.

Should I expect new courses?

Yes. As data science as a field evolves, so does our training. We are continuously working on developing new topics and we aim to provide you with knowledge on all cutting-edge technologies. For as long as you are subscribed to the program, you will receive all new courses and updates at no extra cost. They will just appear on you dashboard! Enjoy the journey and good luck!

