Financial Data Professional Institute

Financial Data Professional (FDP) Charter
The Global designation for investment professsionals with data science skills leading the future of finance.

The FDP curriculum provides breadth and depth by requiring candidates to complete online classes as part of the FDP Charter. In order to receive the FDP Charter, candidates must successfully complete the FDP Exam _and_ complete two (2) online classes covering the basics of Python _or_ R programming.

DATACAMP PYTHON TRACK

1. Introduction to Python
In this Introduction to Python course, you'll learn about powerful ways to store and manipulate data, and helpful data science tools to begin conducting your own analyses.
https://www.datacamp.com/courses/intro-to-python-for-data-science

2. Intermediate Python for Data Science
Learn to visualize real data with Matplotlib's functions and get acquainted with data structures such as the dictionary and the pandas DataFrame. After covering key concepts such as boolean logic, control flow, and loops in Python, you'll be ready to blend together everything you've learned to solve a case study using hacker statistics.
https://www.datacamp.com/courses/intermediate-python-for-data-science

DATACAMP R TRACK

1. Introduction to R
In Introduction to R, you will master the basics of this widely used open source language, including factors, lists, and data frames.
https://www.datacamp.com/courses/free-introduction-to-r

2. Intermediate R
In this R training, you will learn about conditional statements, loops, functions to power your own R scripts, data structure manipulations, and times and dates. This course will allow you to take the next step in advancing your overall knowledge and capabilities while programming in R.
https://www.datacamp.com/courses/intermediate-r

DATAQUEST PYTHON TRACK

1. Python for Data Science: Fundamentals
In this introductory course on Python for data science, you'll get an overview of the Python programming language and how you can use it for data science. By the end of this course, you'll be able to: Understand the fundamentals of programming in Python, understand the fundamentals of data science, Use Jupyter Notebook, and build a portfolio project.
https://www.dataquest.io/course/python-for-data-science-fundamentals/

2. Python for Data Science: Intermediate
In this Python for Data Science Intermediate course, Dataquest covers some key techniques for working with the Python programming language for data science. By the end of this course, you'll be able to: Clean and analyze text data, Understand object-oriented programming in Python and Work with dates and times.
https://www.dataquest.io/course/python-for-data-science-intermediate

DATAQUEST R TRACK

1. Introduction to Programming in R
In the world of data science, R is a popular programming language for a reason. It was built with statistical manipulation in mind, and there's an incredible ecosystem of packages for R that let you do amazing things – particularly in data visualization – that would be much more difficult in Python. By the end of this course, you'll be able to: Understand the basis of syntax in the R program-ming language, use comparison operators to make calculations. Work with basic data structures in R.
https://www.dataquest.io/course/intro-to-r/

2. Intermediate R Programming
In the Intermediate Programming in R course, you will continue building your R data science skill set. By the end of this course, you will be able to: Use control structures, Use functions in place of for-loops, manipulate strings and dates, and use built-in and custom functions.
https://www.dataquest.io/course/intermediate-r-programming/

METIS
The single course offered by Metis is titled **_Beginner Python and Math for Data Science_**, and it consists of the following 6 topics covered during live sessions. Check the Metis website for upcoming classes. The 6 topics include: Python Basics, Python Advanced, Python Mathematical Libraries, Linear Algebra, Calculus and Probability, Statistics.

APPROVED ONLINE TRAINING PROVIDERS
The pre-selected online classes are offered by three approved providers. Research each provider and select the one most aligned with your preferred learning style. Select only one provider. Each provider offers free trials for you to experience their learning platform.

APPROVED ONLINE CLASSES
The two (2) classes can be completed before or after the FDP exam. Depending on the candidate's background, it is estimated to take 8-10 hours to complete the online classes. No programming background is required to complete the online classes.

SUBMIT YOUR CERTIFICATES
After you complete each class, you will receive a certificate from the provider. These Certificates of Completion must be submitted to _certificates@fdpinstitute.org_. Upon verification you will receive a confirmation of receipt.

The Financial Data Professional Institute (FDPI) was established by the CAIA Association to address the growing need in finance for a workforce that has the skills to perform in a digitized world where an increasing number of decisions will be data and analytics driven. The FDP curriculum introduces candidates to central concepts of machine learning and big data, including ethical and privacy issues, and their roles in various segments of the financial industry to boost and integrate quant knowledge into analytic skills. www.FDPInstitute.org