DATA SCIENCE INSTITUTE

The World Data Science Institute is a primary source for Financial Data Science Education.

Meet Data Science Cohort Team 2

Anade Davis - Data Science Manager @ [LinkedIn](#)

Ragavendhra Ramanan - Data Science Researcher @ [LinkedIn](#) - Project Lead

Hafizah Ab Rahim - Data Scientist @ **[LinkedIn](#)**

Raques McGill - Data Scientist @ [LinkedIn](#)

Brandon Oppong-Antwi-Data Engineer @[LinkedIn](#)

Destiny Cleary - Data Analyst

Python Finance Cookbook

Chapter 1 – Ragavendhra Ramanan

https://github.com/Ragavendhra-Ramanan/Time-Series-Analysis/blob/master/Financial_Data_and_Preprocessing.ipynb

https://colab.research.google.com/drive/1IqGem6ZF62-VxkfWu1vHEkCKpdH1Ylex?usp=sharing

Chapter 2 – Anade Davis

https://github.com/Worlddatascience/DataScienceCohort/blob/master/8_How_to_Backtest_a_Bollinger_Bands_Strategy.ipynb

https://colab.research.google.com/drive/1HxrAPIS-4NhHrB5KbqbzJgHJ17CSz_Cm?usp=sharing

Chapter 3 – Anade Davis

https://github.com/Worlddatascience/DATASCIENCEPROJECTS2020/blob/main/Project%2010_How_to_Create_a_Technical_Analysis_Interactive_Dashboard.ipynb

https://colab.research.google.com/drive/1qqIWFNY87qKXTZYDjYdMIVtbQSsMJfSv?usp=sharing

Chapter 4 – Ragavendhra Ramanan

https://github.com/Ragavendhra-Ramanan/Time-Series-Analysis/blob/master/Multi_factors_model.ipynb

https://colab.research.google.com/drive/16VCGG_5LIx63ICLyhcwCOEbaslaoO5f3?usp=sharing

Chapter 5 –Raques McGill

https://github.com/rtmcgill/Modeling-Volatility-with-GARCH-Models

https://colab.research.google.com/drive/1g44kdtQPcvzvAsHIcKu5m0UasA5Gqi3l?usp=sharing

Chapter 6 – Brandon Oppong-Antwi

https://github.com/bkoppong/Python-for-Finance-/blob/main/Simulating_Stock_Price_Dynamics%2C_using_Geometric_Brownian_Motion%20(1).ipynb

https://colab.research.google.com/drive/1uyR6MYzqbrMNPcLZcXGkVN5N3lpGN9KM?usp=sharing

Chapter 7 –Raques McGill

https://github.com/rtmcgill/Asset-Allocation-in-Python

https://colab.research.google.com/drive/1JwOs2SZOjaQgdqtZ_SDdPgVI0qOyY1Oy?usp=sharing

Chapter 8 – Ragavendhra Ramanan

https://github.com/Ragavendhra-Ramanan/Time-Series-Analysis/blob/master/Credit_default_machine_learning.ipynb

https://colab.research.google.com/drive/1l4qfTa-YWhVKqbqyBFXFWVh8yDPMVwCn?usp=sharing

Chapter 9 – Ragavendhra Ramanan

https://github.com/Ragavendhra-Ramanan/Time-Series-Analysis/blob/master/Advanced_Machine_Learning_Models.ipynb

https://colab.research.google.com/drive/184EwWXmgg2BMu6uxX96kRQ-WcrFd5sT7?usp=sharing

Chapter 10 – Brandon Oppong-Antwi

https://github.com/bkoppong/Python-for-Finance-/blob/main/MultiLayer_Perceptron_for_Time_Series_Forecasting%20(1).ipynb

https://colab.research.google.com/drive/1hJvXTmFSYu1mLoCUN2i7ZPsvte0HKp8T?usp=sharing