

Finance and Banking

Advanced Data Science for Finance Professionals Program

Curriculum

Program Outline

Module 1: Introduction to Data Science & Finance

- Basics of data science and its applications in finance.

Module 2: Big Data Technologies I

- Techniques for utilizing big data technologies.

Module 3: Machine Learning I

- Understanding and applying machine learning techniques.

Module 4: Predictive Analytics I

- Developing predictive models.

Module 5: Data Visualization I

- Creating effective data visualizations.

Module 6: Risk Management I

- Applying data science to risk management.

Module 7: Asset Management I

- Using data science for asset management.

Module 8: Investment Strategy I

- Developing data-driven investment strategies.

Module 9: Fintech Innovation I

- Leveraging data science in fintech innovation.

Module 10: Big Data Technologies II

- Advanced techniques for big data technologies.

Module 11: Machine Learning II

- Advanced machine learning techniques.

Module 12: Predictive Analytics II

- Advanced predictive modeling techniques.

Module 13: Data Visualization II

- Advanced data visualization techniques.

Module 14: Risk Management II

- Advanced applications of data science to risk management.

Module 15: Asset Management II

- Advanced techniques for asset management.

Module 16: Investment Strategy II

- Advanced data-driven investment strategies.

Module 17: Fintech Innovation II

- Advanced applications of data science in fintech innovation.

Module 18: Programming for Data Science

- Mastering programming languages for data science.

Module 19: Communication Skills I

- Enhancing communication and interpersonal skills in data science contexts.



Module 20: Capstone Project

- Applying skills to a real-world project in advanced data science for finance.

Websites:

- <https://chools.in/>
- <https://ramaqschools.com/>
- <https://www.choolsgroup.com/>