

Data Science and Big Data Analytics: Making Data-Driven Decisions

Seven-week online course for professionals

COURSE NAME: Data Science and Big Data Analytics: Making Data-Driven Decisions	COURSE STARTS: May 13, 2019
DURATION: 7 Weeks	ONLINE INFORMATION: https://mitxpro.mit.edu/courses/course-v1:MITxPRO+DSx+2T2019/about
LOCATION: Online	CEUs: 1.8
COST: \$849	CONTACT: mitxpro@mit.edu

Every day, your organization generates new data on your customers, your processes, and your industry. But could you be using this data more effectively? Developed by over ten MIT faculty members at the MIT Institute for Data, Systems and Society (IDSS), this course is specially designed for professionals looking to learn the latest theories and strategies to harness data.

TURN YOUR KNOWLEDGE INTO ACTION

Through digital lectures and real-world case studies, you'll acquire the theory, strategies, and tools you need to:

- Apply data science techniques to your organization's data management challenges.
- Identify & avoid common pitfalls in big data analytics.
- Deploy machine learning algorithms to mine your data.
- Interpret analytical models to make better business decisions.
- Understand the challenges associated with scaling big data algorithms.

REAL-WORLD CASE STUDIES & HANDS-ON PROJECTS

Ever wondered how top companies perfect their recommendation systems? Or how auto manufacturers develop their GPS technology? In *Data Science and Big Data Analytics: Making Data-Driven Decisions*, you'll be able to examine over 20 case studies and apply your knowledge by:

- Tracking the 2D and 3D position of objects with a Kalman filter.
- Building your own movie, music, and product recommendation systems, just like Netflix or Pandora.
- Automatically clustering news stories with a spectral technique algorithm.
- Predicting wages with a linear regression model.
- Exploring one or two layer perceptrons to assess their decision boundaries.
- Using network-theoretic ideas to identify new candidate genes that might cause autism.
- And more!

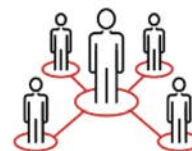
COURSE FEATURES



Learn online - when and where you would like - as long as you complete each module by the assigned time.



Earn a Data Science Certificate and CEUs from MIT.



Robust collaborative environment to network and connect with students.



Learn from data science MIT Faculty members.



Apply your knowledge in data science by examining over 20 hands-on case studies and taking part in several projects.



Video tutorials and research-based content from a host of MIT professors.

Enterprise discounts available. Contact mitxpro@mit.edu

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EARN A CERTIFICATE AND CEUS

Participants who complete this course will be awarded a Certificate in Data Science from MIT xPRO as well as 1.8 Continuing Education Units (CEUs).



WHO SHOULD PARTICIPATE?

This course is designed for data scientists and data analysts, as well as professionals who wish to turn large volumes of data into actionable insights. Because of the broad nature of the information, the course is well suited for both early career professionals and senior managers. Since this is not an introductory course, the faculty strongly recommends participants to have substantial background knowledge of statistical techniques and data calculations or quantitative methods of data research.

DISCOUNTS AVAILABLE FOR GROUPS!

Find out why MIT is ranked the #1 university (QS World Rankings). Get quality training for your team on a schedule that fits their needs.

Contact Franklin Mathieu at fmathieu@mit.edu for group pricing.

MIT INSTRUCTORS



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