

ONLINE MASTERS IN DATA SCIENCE

DSC 207 - PYTHON FOR DATA SCIENCE

COURSE OVERVIEW

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Welcome to Python for Data Science Week 1!

By the end of DSC-207R, Python for Data Science, learners will be able to:

- describe the key steps in the process of conducting data science
- analyze data and provide explanations in Jupyter notebooks
- manipulate and analyze datasets using Python and Python libraries
- discuss the ethical implications of working with data
- visualize data using Python and communicate results

Weekly Schedule

Week	Topic
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1	Introduction to Data Science
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2	Numpy
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3	Pandas
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4	Ethics
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5	Data Visualization
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6	First Project + API
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7	Intro to Machine Learning
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8	Intro to Machine Learning
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9	Text and Databases
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10	Final Project
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Planning for Success in this Course

- Participating in course activities
- Solving the Hands-On Practice Questions in the Lecture Notes
- Working through Exercise Jupyter Notebooks
- Graded Quizzes and Homeworks
- Graded Projects
- Graded Final Exam