



TOOLS AND TECHNOLOGIES OVERVIEW

In previous lessons, you have learned about the underlying principles and techniques on which data science and machine learning are based. Now it's time to put some of the theory into practice by learning about the tools and technologies you can use to perform data science activities.

This chapter introduces three core technologies that you will learn how to use throughout the rest of the course:

- Azure Machine Learning (Azure ML)
- R
- Python

Note: This course is designed to let you choose whether to complete programming tasks in R or Python. Examples and labs are provided for both languages, but you should choose the one with which you are most comfortable. If you have no previous experience with R or Python, you might want to consider the following edX courses:

- *Introduction to R Programming:* <https://www.edx.org/course/introduction-r-programming-microsoft-dat204x>
- *Learn to Program Using Python:* <https://www.edx.org/course/learn-program-using-python-utarlingtonx-cse1309x>

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