This course is part of the Microsoft Professional Program Certificate in Data Science.

Demand for data science talent is exploding. Develop your career as a data scientist, as you explore essential skills and principles with experts from Duke University and Microsoft.

In this data science course, you will learn key concepts in data acquisition, preparation, exploration, and visualization taught alongside practical application oriented examples such as how to build a cloud data science solution using Microsoft Azure Machine Learning platform, or with R, and Python on Azure stack.

**What you will learn**
- Explore the data science process
- Probability and statistics in data science
- Data exploration and visualization
- Data ingestion, cleansing, and transformation
- Introduction to machine learning
- The hands-on elements of this course leverage a combination of R, Python, and Microsoft Azure Machine Learning

**Frequently asked questions**
- What web browser should I use?
- The Open edX platform works best with current versions of Chrome, Firefox or Safari, or with Internet Explorer version 9 and above.

See our list of supported browsers for the most up-to-date information.

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**More about Microsoft training**

In an increasingly digital world, people, not technology, will disrupt the status quo. In pursuit of their digital goals, CIOs say the most common barrier is a shortage of talent with the right skills.

As an IT pro or developer working amid the churn of digital transformation, you will be asked to do things differently. You’ll need deep skills, expertise, and confidence to implement meaningful technical solutions that meet advanced customer needs. Microsoft Azure is a platform with enormous potential and is also flexible enough to meet and extend customers’ existing infrastructure, enabling hybrid and open source solutions. Now you can build freely and deploy anywhere with a cloud you can trust.

Microsoft is investing big to help you develop your Azure skillset. We put together three training offers that combine free access to our library of flexible, online courses, discounts on our industry-standard Microsoft Certified Professional exams, and a discount on Linux certification, offered through the Linux Foundation.

As you know, training is one of the best investments you can make in your career. Microsoft’s quality courseware will provide you with practical learnings you can employ immediately. Earning technical certifications positions you for career advancement, a higher salary, and more interesting work.

Whether you’re getting started as an IT pro or developer, looking to differentiate yourself as an expert, or already proficient in AWS and looking to explore ways to become a multi-cloud expert, these training offers will help you level up your cloud career.

Get started now!