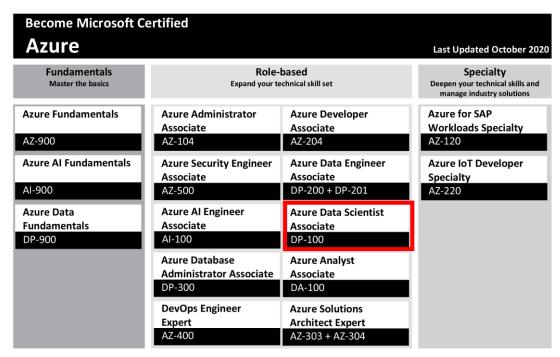# DP-100 - Microsoft Certified: Azure Data Scientist Associate

This course is designed for IT Professionals who will learn how determine what data is needed for model training, create model features from the data, determine what machine learning model to use, train and evaluate the model.

This course help prepare for the exam « DP-100 - Designing and Implementing a Data Science Solution on Azure » to obtain the title « Microsoft Certified: Azure Data Scientist Associate ».

1. DP-100 - Designing and Implementing a Data Science Solution on Azure

Overview

Data Scientist is the central role in developing machine learning models. This role is responsible for solving the business problem that initiated the project. While the Data Engineer will prepare the data to be used for the models, the Data Scientist determines what data is needed for model training, creates model features from the data, determines what machine learning model to use, trains and evaluates the model, and often has involvement in model deployment. Often the data scientist needs to evaluate multiple models to determine which performs the best.

Duration :

3 days

Targuet Audience :

This course is aimed at data scientists and those with significant responsibilities in training and deploying machine learning models.

Objectives :

After completing this module, students will be able to:

- Explain the data science process and the role of the data scientist.
- Use Azure Machine Learning service to automate the data science process end to end.
- Explain the machine learning pipeline and how the Azure Machine Learning service's AutoML and HyperDrive can automate some of the laborious parts of it.
- automatically manage and monitor machine learning models in the Azure Machine Learning service.

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Prerequisites :

Before attending this course, students must have:

- Azure Fundamentals
- Understanding of data science including how to prepare data, train models, and evaluate competing models to select the best one.
- How to program in the Python programming language and use the Python libraries: pandas, scikit-learn, matplotlib, and seaborn.

Duration and Price

Courses	Jours	CHF	CHF/j
1. DP-100 - Designing and Implementing a Data Science Solution on Azure	3	2'250.-	750.-

selon conditions générales. Le prix comprend toute la documentation distribuée.
Les cours se déroulent de 9 h 00 à 12 h 00 et 13 h 30 à 17 h 00

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