

## 1.

### Question 1

Which Python libraries are used in machine learning and deep learning?

Select all options that apply.

1 / 1 point

Scikit-learn  
TensorFlow  
Matplotlib  
PyTorch

ANSWER: (B) TensorFlow

Correct

TensorFlow is an end-to-end open-source platform for machine learning.

(D) PyTorch

Correct

PyTorch is an open-source machine learning framework that accelerates the path from research prototyping to production deployment.

## 2.

### Question 2

What are the benefits of using the NumPy and Pandas libraries in your Python project?

1 / 1 point

Offering simple and predictive data analysis  
Supplying machine learning and deep learning capabilities  
Simplifying analyzing and manipulating data  
Providing attractive data visualizations

ANSWER: (C) Simplifying analyzing and manipulating data

Correct

NumPy and Pandas libraries enables these features in Python.

## 3.

### Question 3

Which Python library provides functionalities similar to excel?

1 / 1 point

Pandas  
NumPy  
Matplotlib

ANSWER: (A) Pandas

Correct

Pandas is like excel for Python - providing easy-to-use functionality for data tables.

**4.**

Question 4

Which Python library provides functionality comparable to mathematical tools such as MATLAB and R?

1 / 1 point

NumPy

TensorFlow

Scikit-learn

ANSWER: (A) NumPy

Correct

NumPy significantly simplifies the user experience and it also offers comprehensive mathematical functions.

**5.**

Question 5

What should you use if you want to run basic scripts in a web browser?

1 / 1 point

Jupyter notebook

NumPy

Pandas

ANSWER: (A) Jupyter notebook

Correct

Jupyter notebooks are a popular way of running basic scripts using your web browser. Typically, these notebooks are a single webpage, broken up into text sections and code sections that are executed on the server rather than your local machine.