

## Exercise 3

1. What is the difference between variance and standard deviation?
2. Write a Python command to calculate the mean of a list [3, 5, 7, 9].
3. How do you visualize a normal distribution in Python?
4. Write a Python script to compute and visualize the shear force distribution along a simply supported beam.
5. Write a Python script using SciPy to solve the differential equation  $dy/dt = -y + 10$ .

From:

<https://edu.iit.uni-miskolc.hu/> - **Institute of Information Science - University of Miskolc**

Permanent link:

[https://edu.iit.uni-miskolc.hu/tanszek:oktatas:exercise\\_3\\_i](https://edu.iit.uni-miskolc.hu/tanszek:oktatas:exercise_3_i)

Last update: **2025/09/09 10:44**

