Exercise: Using Numpy and Scipy

This lesson provides a few exercises to test your understanding of the Python basics for analytics.

we'll cover the following ^
• Numpy
• Scipy

Numpy

Create a function which takes that numpy 1-D array as input and returns the following (in the same order as listed):

- Max Maximum value in the array
- Std Measure of variation between the elements of an array
- Sum Value obtained as a result of adding all the elements of an array
- **Dot product** Inner product of the vectors

Try to implement the function below. Feel free to view the solution, after giving it a few shots. Good Luck!

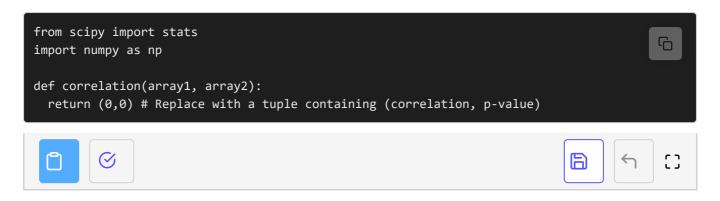


Scipy

Create a function that takes in two numpy 1-D arrays and returns the correlation and p-value as a *tuple*.

True to implement the function below. Feel free to view the colution often

giving it a few shots. Good Luck!



We hope that you were able to solve the challenges. The next lesson brings you the solutions to the above challenges.