DIAML_HW3_Python Resources
Prepared by the TAs

Hypothesis Testing

Calculate the T-test for the means of two independent samples:
https://docs.scipy.org/doc/scipy/reference/generated/scipy.stats.ttest_ind.html

Calculate the T-test for the mean of one group
https://docs.scipy.org/doc/scipy/reference/generated/scipy.stats.ttest_1samp.html

Correlation

This can be easily computed using either Numpy, Pandas or SciPy.

See more information here:
https://realpython.com/numpy-scipy-pandas-correlation-python/#:~:text=Correlation%20coefficients%20quantify%20the%20association,comprehensive%2C%20and%20well%2Ddocumented.

Autocorrelation

You could try any of the two approaches

Statsmodels:
https://www.statsmodels.org/stable/generated/statsmodels.graphics.tsaplots.plot_acf.html

Pandas:
https://pandas.pydata.org/docs/reference/api/pandas.plotting.autocorrelation_plot.html