```python
#importowanie biblioteki pandas
import pandas as pd

#średnia arytmetyczna
import numpy as np
data = [ 1 , 2 , 3 , 4 , 5 ]
mean = np.mean(data)
print(mean)
```

```
3.0
```

```python
#mediana
median = np.median(data)
print(median)
```

```
3.0
```

```python
#odchylenie standardowe
std_dev = np.std(data)
print(std_dev)
```

```
1.4142135623730951
```

```python
# wariancja
variance = np.var(data)
print(variance)
```

```
2.0
```

```python
#korelacja
data1 = [ 1 , 2 , 3 , 4 , 5 ]
data2 = [ 5 , 4 , 3 , 2 , 1 ]
correlation = np.corrcoef(data1,data2) [ 0 , 1 ]
print(correlation)
```

```
-0.9999999999999999
```

```python
#Kowariancja
covariance= np.cov(data1 , data2) [ 0 , 1 ]
print(covariance)
```

```
-2.5
```