In [12]:
```
import numpy as np
import scipy.stats as stats
```

In [6]:
```
X = [-2, -1, 0, 1, 2]
Y = [5, 2, 4, 1, 3]
```

In [8]:
```
np.cov(X,Y,rowvar=False)
```

Out[8]:
```
array([[ 2.5 , -1.25],
       [-1.25,  2.5 ]])
```

In [14]:
```
pcc, p_value = stats.pearsonr(X,Y)
print("Correlation Coefficient:",pcc)
print("P-Value:",p_value)
```

```
Correlation Coefficient: -0.5
P-Value: 0.39100221895577064
```