1:- Leven's test

In [6]:
```
# two sample t test

import scipy.stats as stats

# sample data

G1= [2.3, 3.4, 4.5, 2.3, 3.4]
G2= [1.2, 2.2, 3.2, 2.2, 2.3]

# preform independent two sample t_test

w_stats, p_value= stats.levene(G1, G2)

# print the results
print("w_statistics :", w_stats)
print("p_value :", p_value)

# print the results using if else condition
if p_value>0.05:
    print(f'p_value: {p_value},Variance is equal (fail to reject H0)')
else:
    print(f'p_value: {p_value}, Variance is not equal (reject H0)')
```

```
w_statistics : 0.44651162790697696
p_value : 0.5228039334796065
p_value: 0.5228039334796065,Variance is equal (fail to reject H0)
```

2:- Bartlett's Test

In [7]:
```
# two sample t test

import scipy.stats as stats

# sample data
```

```
G1= [2.3, 3.4, 4.5, 2.3, 3.4]
G2= [1.2, 2.2, 3.2, 2.2, 2.3]

# preform independent two sample t_test

w_stats, p_value= stats.bartlett(G1, G2)

# print the results
print("w_statistics :", w_stats)
print("p_value :", p_value)

# print the results using if else condition
if p_value>0.05:
    print(f'p_value: {p_value},Variance is equal (fail to reject H0)')
else:
    print(f'p_value: {p_value}, Variance is not equal (reject H0)')
```

```
w_statistics : 0.24050679805097827
p_value : 0.6238403179343277
p_value: 0.6238403179343277,Variance is equal (fail to reject H0)
```

In [ ]: