

In [1]:

```
import pandas as pd
import numpy as np
from scipy import stats
```

executed in 1.55s, finished 19:58:10 2021-11-26

In [2]:

```
df=pd.read_csv('Cutlets.csv')
```

executed in 12ms, finished 19:58:28 2021-11-26

In [3]:

df

executed in 63ms, finished 19:58:36 2021-11-26

Out[3]:

	Unit A	Unit B
0	6.8090	6.7703
1	6.4376	7.5093
2	6.9157	6.7300
3	7.3012	6.7878
4	7.4488	7.1522
5	7.3871	6.8110
6	6.8755	7.2212
7	7.0621	6.6606
8	6.6840	7.2402
9	6.8236	7.0503
10	7.3930	6.8810
11	7.5169	7.4059
12	6.9246	6.7652
13	6.9256	6.0380
14	6.5797	7.1581
15	6.8394	7.0240
16	6.5970	6.6672
17	7.2705	7.4314
18	7.2828	7.3070
19	7.3495	6.7478
20	6.9438	6.8889
21	7.1560	7.4220
22	6.5341	6.5217
23	7.2854	7.1688
24	6.9952	6.7594
25	6.8568	6.9399
26	7.2163	7.0133
27	6.6801	6.9182
28	6.9431	6.3346
29	7.0852	7.5459
30	6.7794	7.0992
31	7.2783	7.1180
32	7.1561	6.6965
33	7.3943	6.5780

	Unit A	Unit B
34	6.9405	7.3875

In [4]:

```
stats.shapiro(df["Unit A"])
```

executed in 11ms, finished 19:58:57 2021-11-26

Out[4]:

```
ShapiroResult(statistic=0.9649458527565002, pvalue=0.3199819028377533)
```

In [5]:

```
stats.shapiro(df["Unit B"])
```

executed in 15ms, finished 19:59:22 2021-11-26

Out[5]:

```
ShapiroResult(statistic=0.9727300405502319, pvalue=0.5224985480308533)
```

In [6]:

```
stats.ttest_rel(df["Unit A"], df["Unit B"])
```

executed in 20ms, finished 19:59:43 2021-11-26

Out[6]:

```
Ttest_relResult(statistic=0.7536787225614314, pvalue=0.4562300768038412)
```