In [2]:
```
import pandas as pd
import numpy as nm
from scipy.stats import stats
```

In [4]:
```
cutlets=pd.read_csv('cutlets.csv')
cutlets
```

Out[4]:

	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
34	6.9405	7.3875

In [5]:
```
df=pd.DataFrame(cutlets)
df
```

Out[5]:

	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
34	6.9405	7.3875

In [6]:
```
cutlets.rename(columns={'Unit=A':'Unit A','Unit B':'Unit B'}, inplace=True)
cutlets.rename
```

Out[6]:
```
<bound method DataFrame.rename of     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
34  6.9405  7.3875>
```

In [7]:
```
cutlets.describe()
```

Out[7]:

	Unit A	Unit B
count	35.000000	35.000000
mean	7.019091	6.964297
std	0.288408	0.343401
min	6.437600	6.038000
25%	6.831500	6.753600
50%	6.943800	6.939900
75%	7.280550	7.195000
max	7.516900	7.545900

In [9]:
```
from scipy import stats
```

In [10]:
```
rvs1=stats.norm.rvs(loc=7.019,scale=0.2884,size=35)
rvs2=stats.norm.rvs(loc=6.964,scale=0.3434,size=35)
```

In [11]:
```
stats.ttest_ind(rvs1,rvs2)
```

Out[11]:
```
Ttest_indResult(statistic=-1.0592812350931526, pvalue=0.29321996290044494)
```