In [1]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
import scipy
from scipy import stats
```

In [2]:
```
Lab = pd.read_csv("LabTAT.csv")
```

In [5]:
```
Lab.head()
```

Out[5]:

	Laboratory 1	Laboratory 2	Laboratory 3	Laboratory 4
0	185.35	165.53	176.70	166.13
1	170.49	185.91	198.45	160.79
2	192.77	194.92	201.23	185.18
3	177.33	183.00	199.61	176.42
4	193.41	169.57	204.63	152.60

In [3]:
```
p_value = stats.f_oneway(Lab.iloc[:,0], Lab.iloc[:,1],Lab.iloc[:,2],Lab.iloc[:,3])
```

In [5]:
```
p_value
```

Out[5]:
```
F_onewayResult(statistic=118.70421654401437, pvalue=2.1156708949992414e-57)
```

In [ ]:
```

```