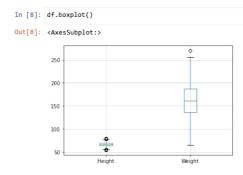
Thejeswar - Exp_2 - Jupyter Notebook

```
In [2]: import pandas as pd
In [3]: df=pd.read_csv("C:\\Users\\banga\\gitremoterepo\\Ex-02_DS_Outlier\\weight.csv")
In [4]: df
Out[4]:
              Gender Height
                                  Weight
          0 Male 73.847017 241.893563
           1 Male 68.781904 162.310473
           2 Male 74.110105 212.740856
           3 Male 71.730978 220.042470
4 Male 69.881796 206.349801
         9995 Female 66.172652 136.777454
         9996 Female 67.067155 170.867906
         9997 Female 63.867992 128.475319
         9998 Female 69.034243 163.852461
         9999 Female 61.944246 113.649103
        10000 rows × 3 columns
In [5]: df.drop("Gender",axis=1,inplace=True)
In [6]: df
Out[6]:
                          Weight
                 Height
         0 73.847017 241.893563
           1 68.781904 162.310473
           2 74.110105 212.740856
           3 71.730978 220.042470
            4 69.881796 206.349801
         9995 66.172652 136.777454
         9996 67.067155 170.867906
         9998 69.034243 163.852461
         9999 61.944246 113.649103
        10000 rows × 2 columns
In [7]: # df=df.drop("Gender",axis=1,inplace=True)
```

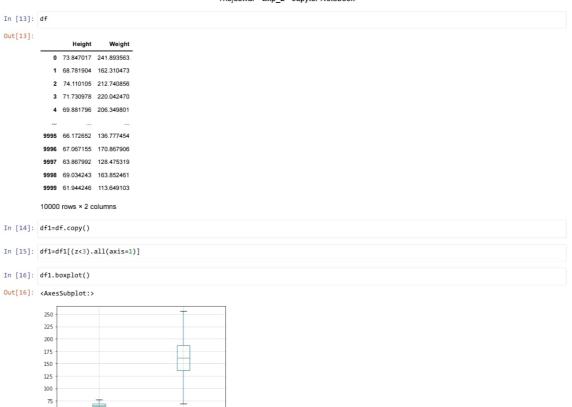
localhost:8888/notebooks/Thejeswar - Exp_2.ipynb

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```
In [17]: df1
Out[17]:
                 Height Weight
        0 73.847017 241.893563
             1 68.781904 162.310473
            2 74.110105 212.740856
           3 71.730978 220.042470
            4 69.881796 206.349801
          9995 66.172652 136.777454
          9996 67.067155 170.867906
          9997 63.867992 128.475319
          9998 69.034243 163.852461
          9999 61.944246 113.649103
          9993 rows × 2 columns
In [18]: #interquartile method
    df2=df.copy()
In [19]: q1=df2.quantile(0.25)
In [20]: q3=df2.quantile(0.75)
In [21]: IQR=q3-q1
IQR
Out[21]: Height 5.668641
Weight 51.351474
dtype: float64
In [22]: IQR.Height
Out[22]: 5.668641245615746
In [23]: df2_new=df2[((df2>=q1-1.5*IQR)&(df2<=q3+1.5*IQR)).all(axis=1)]
```

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Thejeswar - Exp_2 - Jupyter Notebook

	Height	Weight
0	73.847017	241.893563
1	68.781904	162.310473
2	74.110105	212.740856
3	71.730978	220.042470
4	69.881796	206.349801
	110	***
9995	66.172652	136.777454
9996	67.067155	170.867906
9997	63.867992	128.475319
9998	69.034243	163.852461
9999	61.944246	113.649103

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