Import some Libraries. Right now, we're using Scikit_learn for scaling data. Furthermore, we import sklearn

```
In [2]: import numpy as np
    import seaborn as sb
    import scipy

import pandas as pd
    from pandas import Series, DataFrame

import matplotlib.pyplot as plt
    from pylab import rcParams

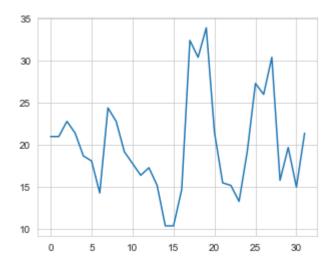
import sklearn
    from sklearn import preprocessing
    from sklearn.preprocessing import scale
```

Configuring canvas and read csv document from local file

Line Plot down below is for mpg without scaling

```
In [5]: mpg = cars['mpg']
plt.plot(mpg)
```

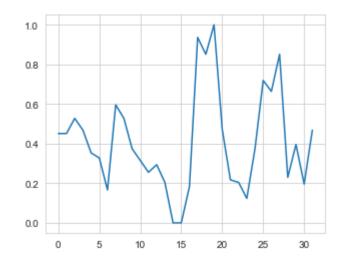
Out[5]: [<matplotlib.lines.Line2D at 0xa12c290>]



Line Plot down below is for mpg with Normalization method in scaling data. The key is using MinMaxScaler and fit_transform

```
In [9]: mpg_matrix = mpg.values.reshape(-1,1)
    scaled = preprocessing.MinMaxScaler()
    scaled_mpg = scaled.fit_transform(mpg_matrix)
    plt.plot(scaled_mpg)
```

Out[9]: [<matplotlib.lines.Line2D at 0xa1b5cb0>]



Line Plot down below is for mpg using Standarization Method. The key is using scale() function

In [10]: standarized_mpg = scale(mpg)
 plt.plot(standarized_mpg)

Out[10]: [<matplotlib.lines.Line2D at 0xa1f5e70>]

