# Scaling

```
from sklearn.preprocessing import StandardScaler
scale = StandardScaler()

scaled_features = ['wheelbase','carlength', 'carwidth', 'carheight',
'curbweight','enginesize',
         'boreratio', 'stroke','compressionratio', 'horsepower', 'peakrpm',
'citympg', 'highwaympg']

X = data[scaled_features]

scaledX = scale.fit_transform(X)
df = pd.DataFrame(scaledX, columns = scaled_features)
df.head()

# drop original columns
data=data.drop(scaled_features, axis = 1)

#data=data.reset_index()

# add the scaled columns
data_main = pd.concat([data, df], axis=1)
data.head()
```

Available scalers are

- StandardScaler
- MinMaxScaler

## Normalization process

```
X_data = (x_data -np.min(x_data))/ (np.max(x_data)-np.min(x_data)).values
```