#13.5

#Lasso Regression to reduce features

#load libraries

from sklearn.linear\_model import Lasso

from sklearn.datasets import load\_boston

from sklearn.preprocessing import StandardScaler

#Create the Datasets

# Load the iris dataset

boston = load\_boston()

# Create features

features = boston.data

# Create target

target = boston.target

#Display original data

print("Features: ", features[0:5])

print ("Target: ", target)

#Standardize features

scaler = StandardScaler()

features\_standardized = scaler.fit\_transform(features)

#Create lasso regression with alpha value

regression = Lasso(alpha=0.5)

#Fit the linear regression

model = regression.fit(features\_standardized, target)

print(model)