module stheren - i) various mealgos implemented ü) sample datasets (already well cleaned) Boston Dataset: House pricing dataset (1) Loading Data from sklearn import datasets boston = datacets. boad_boston() -> 1) DESCR ii) data w) feature_names type: skleaen. utils. Burch in) target X = boston. data Y = boston, target import pandos as pd. df = pd, Pataframe (x) print (boston. feature_names) df. columns = boston.feature_names *) Going through the description provided with the dataset may nelp gain important insights. df. describe () boston. DESCR (2) Splitting data into train and test sets from sklearn import model-selection model-selection. X-train, X-test, Y-train, Y-test =

- (3) Cretting the algorithm to fit data on.

 From sklearn. Linear_model import linear hyression alg 1 = linear hyression ()

 alg1. Fit (X train, Y train)
- 4) Using the fitted algorithm to get prediction 1-pred = alg., predict (x-test)
- (5) Comparing Ypre and Ytest

Method 1: plotting Ypre and Ytest. The closer the values are to the line y = x, the better the predictions are.

import matprotlib. pyprot au plt p. w. scatter (y-pred, y-test)]better

PU. scatter (Y_test, Y_pred)

PU. axu's (Lo, 40, 0, 40])

PU. grid()

PU. show()