

do preprocessing of dataset first 4 then go for modelling * A Training dataset and model You can build a model from scratch or other you can do is to create use prebuild models. from scikit me are going to use l'mean Regression class and then we can create object for it (ode: from sklearn linearmodel impost Linearkeyresson regressor = linear Regression () , the you don't have to insert any parameters this will create simple Regrater model # the fit function is one used to train data set Fit method always used to bain your model) regressor, fit (x x train, Y train); we have to insert data in some fromul I this will train 'regressor' model on x train 4 y train that is braining dataset # now predicting test set result and evaluating results Use predict function to predict results on basis of Xtest and check outputs with ytest model regres or . Prelich (xtest) and output will be predicted value -) this will return a array so it is good idea to shore it to visualise result is 2. result: regressor. predict (xtest) predicted

So now we have to plot ytest and y-fred 1.e Result

the visualise train set

plt. scatter (xxxxtrain, yterain, color = "red")

d plot Regressim line builded model buton ?

plt. plot (xtrain, xtreat);

plt. plot (xtrain, regressir. predict. (x-train), color = 1660)

Inorder to labelgran

you can use fitte(), tlabel(), ylabel() &

at last

plt. show() to show outputs

[learn plt function]

multiple regression model has multiple feature

has only one feature
in matrix of feature
so it is so bad for multiple
feature datased the heart disease prediction

=) The simple linear Regression is good only for the single feature and it is not good idea to use it for multiple feature containing dataset.