Date:15-12-2021

Aim: regression varience

Program code

from sklearn import datasets, linear\_model,metrics

boston=datasets.load\_boston(return\_X\_y=False)

x=boston.data

y=boston.target

from sklearn.model\_selection import train\_test\_split

x\_train,x\_test,y\_train,y\_test=train\_test\_split(x,y,test\_size=0.4,random\_state=1)

reg=linear\_model.LinearRegression()

reg.fit(x\_train,y\_train)

print('coeificients:',reg.coef\_)

print('varience source:{}'.format(reg.score(x\_test,y\_test)))

OUTPUT

