Dala: MIGIAT MI Lab Tost - 2 Akehag S Bharadus 18418C2011

Livear Regression:

18

imborg nombà as mb

impost matphotico pyplot as pt det coefficient (x,y):

w = wp. size (xc)

meanx = up, wear (x)

meany = up. mean (y)

SS-xg - Np. sum (yxx) - NA meany & meanx

xx - 22 / px - 22 = 1+

SS-xx = mp. sum (x+x) - N + MEANX \* WEANX

to = ereany 1 = tol + mean x

return (to, +1)

det plot line (x, y, +):

plt. scatter ( x, y, color = "blue,", marker = "0", s=30) 4 pred = +[0] + +[1] \*x

plt. plot (x, apred, color = "red")

pit. xlabel ('x')

pit. glabel ('y')

plt. show

det wain ():

man date policed ( party)

- data [ ] X = np.array ([ 43, 43, 45, 42, 57, 89])

y: up.airay([95,65,79,75,87,81])

Akshay 2 Bharadwej Dale: 14/6/21 ML Lab Test - 2 1BM18C2011 B to = excepticient (x, y) print ("The estimated coefficients are: In to = { } / lut1 = { 3 " format (+5]+[1]) blet - set line (x, y, +) y = + [0] + + [1] \* = 55 print ( " Predicted y value : " y > if w\_\_name\_\_ == "\_\_ main \_\_" : main ()