Aim:

To implement the dicision true classification

from google. colob import drive drive mount ("/ content /gdrive")

- Lance

import Pardons as pol
import numpy are NP
import matplot lib - Py plot are PH
import Scaborn as SNS

1. matplot lib - inline

X , y > make \_ regression (N- sample = 1000) Noise = 0.05, N- yeatures = 100)

x-shape, y. shape = (4000, 100); (6000)]

X-train, X-test, y train, y-test = train-test.

Split (x,y, test-size = 0.2, 6 huffler = true, random.)

State = 42)

if = mlt suguesson (nax- : ter = 6000)

1, stop = x - Set [:, 0] Mari () + 1. Step 0.01)

NP. amerange (start = x - Set [:, 1] - min ():1,

Stop = x. Set [:, 1]. Man () + 1, Step = 0.01)

pt+ contowy (x, , X2, classifier - predict) (np. array [x, namel (), X2. namel ()]) neshape [x1. shape), alpha =0.75 c map = justed colorunap ( ( red', green')) PH. Xlim (x, min(), X, man()) PIt. ylin (X2. minc), Y2 manc) for i if in enumerate (pp. unique (y set)); plt. scatter (x. bet [y=sct=-j,0], X-Det [Y. set == j, 1], c = listed colorung ( dred ', green') PH. Showl James [ ] working in \_ tome - VIII Images of this - day in the first was some of the same of H:
The program is successfully executed Pisult: