DATE:

To Massify the social Network dataset rusing decision free Analysis.

from googh what import doing SOURCE COPE ! deijor mount ("content 19 deirer")

Rompored Pandas as Pd impost numpy as ry impout matplothib . Pyplot as plt

teran seleaur model. Elector resport train-test splet from skleam , true import Decision The Classifier from matplothit. colous support Listedcolor map

datast = pd. mad-LSV (' Content I gleiner prydenia frobb Datasts (social.csv)

X = dataset. floc [:, [43] values

y = doset . iloc P:, - Jalus X- terain, X- test, Y- terain, Y- test = Lerain - test\_splot

CX, Y, test\_size = 0 m, eardon=0).

8e = 3 Landard Scaller ()

X- train = SCofit - towns forum (x- train)

X- test = Sc. teransform (X. test)

dassifier = pusicion Tem classifier ( construion="intropy"

classifice. It (x terain, y terain) 4- pend = classifier a pendict (x test) an = confusion materix (4 test, 4 pend) point (" confusion materix: ")

I level markenessed to point (em).

effected successfully.

X-set, y-set = X-terain, y- terain XVX = M. Mushgaid ( M. acronge (steat = X. set [:, 0]. min () -1, stop = x-det [:, 0], max ()+1, step = 0.01) Plt-figure (tigsice = (10,6)). cmap - backeywound - Listed rolowinap (['red', 'generi]) plt. x lim (x1. min (), x1. max ()) PG. X lim (K2, min C), X2, max ()) for 1, j in snumerate (np. unique ( y-set )): pct. scatter (x set Ty set == 3,0], x-set Ty-set=3,1] C=map - points [P), (abel=3). DIA. Aith C'Decision The classification ethaining set)') Plt. x label ('Age') PH. y label ('Estimated Salary') PH . legend () plt-show(). DUTPUT !import os
print(os.listdir('/content/gdrive/My Drive'))
dataset = pd.read\_csv('/content/gdrive/My Drive/Colab Datasets/Social\_Network\_Ads.csv')
from google.colab import files
uploaded = files.upload()
from google.solab import files dataset = pd.read\_csv('Social\_Network\_Ads.csv') # Step 2a: Mount Google Drive from google.colab import drive drive.mount("/content/gdrive")

1 X at 1 X at = X + tries on 1 X + tries Xuxe > M. Madighed ( M. amora ( Strate V. d. + I., Ot. min () - 1 - 100 Filesto ply fittle Cope C. Esdermed R.D. ? P. Klobel ('Age') off, y label C'Estimated Solary', PH . hagade) Other Shows (). Thus social potwork dataset using decision see snalyses is implemented and executed successfully.