To descente the model planning APm! and Building of the whole data set

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Public of the Manual Planting regions

code:

imposit pandas ou pd. support madphotis pyplot as plt Purposit seabour as sus ferons sklearer. Pinear-model . Emport Muar Regulation

Jelou. Skleant propouring Emport standard at = pd . read-asv (adulating . cev) perint ed head (?)

pour (df. desurbe1)
Feature & twoget

It Feature &

X= df [TV, Radio, Wewspapers1] Y = Of [' Scores']

K-train, x- fest, y-traily, y-test= train - test - 5016)

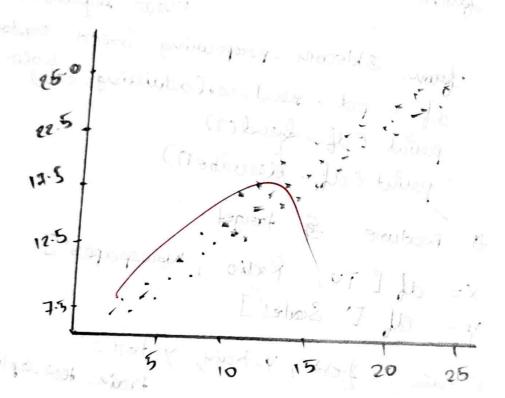
Cr.y, 1801-Sizo=0.2, random=0)

b. plant

TV	Rodio	Newsport	ien Soley	
2801	31.8	. 69.2	22.7	
44.5	39.3	46-1	pulled of 16 %	
17.2	45.9	69.3	le·o	
151.5	41.3	58.5	16.5	r.
414 m	hlom	Introny	hom quit	

المامان فالمصيابين بيريل الدينا والاي

Linear regression mse: 4.5222



and with the ping

# Train Hodel. model = Linear Requestion () model . fit (x-train., y-train) y-pred = model . predict (x-test) Use = mean - squared - covor (x-tex), y-text) pount l'I Linear Regension . MSE', m) per figure (fig size = (815) ans. Scatterplot (x=y-test , y=y-plot) pet. xlabel ("Actual Soles") pur ylabel ( 4 predicted scale) pet - totre C & Linear Regulation. Actual US predict soles ) pet. senoro ()

# apply K-mean.

all [ cluster ] = K=mean Lit - predict (scaled) pet - ligure ( lig size - (s, b)) sus ecaserpiot. Colaba= db., x = 1701, y= 1 scales! · , = set 2 )

pet - Show ()

Mesult, The Progress her been executed duccufully.