218125

Fx:3

Model planning And Building

AIM!

To use the Advertising Budget and sales csv dataset to do the model planning and building.

PROGRAM!

import pandas as pd

data = pd. read_csv (" Advertising - Budget And_sales.csv")

data head c)

data isna () som()

data dtypes

J = data [c"[VAd Rudget (\$)", "Radio Ad

Budget",

rnewspaper Ad Rodget (\$) 1]

y = data ['sales (\$)']

timpont seabour as spor

sns · pourplot (a)

Jeon stream mody-selection import train_test-split
x reain, x_test / y-train, y-test

= train_test_split (904, test_sign =0.3)

from skleain. linear-moder import linear requestion

modul -1 = Linearkegression()

model-1 = fit (x-hain, y-main)

Y-pred-1= model-1. predict (Screet) Y-pred-1

art	put		

1 married	0	TV Ad Evalget	27.8	NP 09.2	Saley 22.1
0		tities	8913	45.1	10.4
1	9_	17.2	45.9	19.3	9,5
2	4	1515	L11.3	59.5	18.3
U	5	180-9	6.01	29.11	12.9

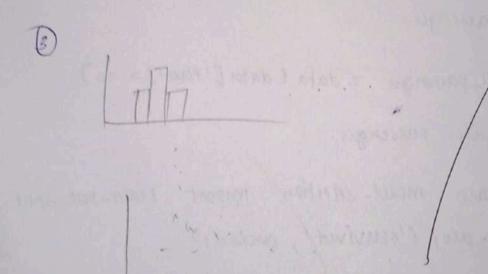
Unnamed: 0

The ad Bodget (1) 0,

Fadio Ad Bodget (1) 0

Newspapes Ad Bodget (2) 0

Salet (4) 0



4

Linear Regression

