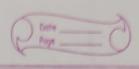
pH Hitle (Lineas Rogresson - Model Pit 1) plt. (cgendo) pet show() Intercept (Huta 0) = 0.5400 · Slope (that a) = 0.6600 Fredricked y for X = 7.0: 5.1600 Lineau Regnenm - Model tit 30 9.5 2.0 1.0 1.5 2.0 2.5 3.0 3.5 4.0 46 6.0



import numpy as np
import matphollip.pyphol as plt
import ekleam. Linear_model import linearlegraning

X= np.array ([1,2,3,4,5]). restage (-1,1)

8= np.array ([1.2,1.8,2.6,3.2,3.8])

model = Linear Regression ()

model. fit (X, y)

intercept = model.intercept _ Slope = model.coef_[0]

print (f" Slope (Hula): fintescep(3")

print (f" Slope (Hula): fslope 3")

x-input = float (input ("Enter a value for x to product y: ")) y-pred = model. product ([(x-input]])

print (f" Pordicted y pri X = { N-input 3: (y pred(a)))

Intercept (thetao): 0.5400

fulm a value for x to predict y: 7

predicted y for x = 7.0:5.16