

In Multiple Linear Regressions and Code In Multiple Linear Regression one independent variable depends un more than one independent variablesfor multiple le Rishe form of the model is 4 = Bo + B1 X 10+ B2 X2+ - M1+ Box X012 berez oyis a dependent variable o de , 12, 11, da are l'odependent varial · Boi Binnin Bo are regression coefficient · B; (1<=j<=n), is the slope or weight that specifies of factor by which His has an Pompact on y × x coordno 842 fem cgpa Pq placement * * Po(Interceps) MLR tries for fit a regression line lor hyperplane) through a multidimensional set of data-points-हरते पृष्ट^क शतिक भिन्न । civil he

Code - Implementation & from sklearn. dafasets import make-regression # The make regression funce in scikit - Learn is used to Learn & # poodefockeans generate Synthetic dataset import pandas as pa import numpy as np import plotly express as px import plotly graph-objects as from sklearn metrics import mean-absolute-error mean-squared - error, 12-score. digy = make = regression (n-samples =1 n-features = 2 n-informative = 2- n-target = no(se = 50) n-samples = nos of sample in dataset n-features = total nos of features (independent variable) Por dataset: n-informative = nos of features used fo the linear model used to generate ofp n-target = nos of ofp varpables. # noise = The stdo devo of the gaussian hoise applied to the ofphere in-feature = 2 (n-informative = 2) means both features play a role in determining the target value more scattered distribution of target values a around the thear relationship. malke reino Biw feature & target more apparent

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