K-means Clustering: TV VS

Splex prediction and customer segmentation Ex. No : 3 using Linear Repression & K-moore To predict rates based on clustering based on AIM : budget ocross TV, Radio & nevertor using linear Regression & also K-many Clustering. CODE ! inhort fundas as had inport motpholile as felt import sealson os me from solerm - model - selection import torium - text - split. from sblever meterics import split mean - say - error from Ableon, cluster infort Kmours from sbleam, porprocessing import Standard Scalar of = pd - seed - csv ('adventising . csv') print ( of head ()) point ( of describe (1) K = of [['TV', 'Radio', 'Novertrater'],] y = of ['soles'] x-train, x-text, y-train, y-text = toroin - test -split ( of, t-s

model = Linear Regression () model - fit (x\_train, y\_train) Y- fred = model. fredit (x-text) msc = mean - squared - overor (y\_test, y\_tred) frint ("MSE", msc) plt. figure (figire = (8.5)) ens. scaterflat (x = y- text, y = y- fred) fet . show () Sesled = Standard Scaler () Scaled = Scaled - fit - terusform ( of ['TV', 'Radio', 'Neverhater']) K-means = Kneans (n - cluster, rondom-state plt. show () Trus, the program to perform linear regression and k means has been created successfully.