

# Using of feature scaling depends on model which you're # Feature Scaling in SUP Sometime three is need arises to apply feature scaling on y 1:e day on depent variable vector. =) so for this also . the sur model for value of different range so sur fail to perform ver mainly are only apply feeline scaling on X (matrix (teatre)) (Also keep in mind we apply feature scaling after Splitting the dataset. =) so while applying feature scaling to y (duo) in hind outcome you have to perform invest feature scaling means cometing standardised value to final value # Feature Scaling standard scalar needs 20 array as input Ex y= [y] =) an ID array convited to 20 array Reshape arran = If you have nymy urran Sayb np- arr- so you can apply reshape on it b = b. reshape (ho. of rows, no. of column) 2 to conver horizontal array to wheat use b= b. reshape / len(b), it In each no. & olymor element in a now Ad use Standard Scalar.

So as data one diffine so you have use diffine Standard scalor object for x+y

#Training SUR model TINSUR model from sklear.sum import SUR \ we have to pass kernal as argume frequessor = SUR ( the kind = 11rbf 11); # we can use linear Icemal or nunlinear Remail according to our need guassian RBF Ex: 12(x), j) = ē(11x - x; ||2) cree it's plat online) 3) Thre got mainly type of land all kin read color (RBF) one which we are going to uy that will build model 4 now boin it regressor. fit. (x1y); ) and thus you builted your model # afk doing model now while predicting you have to perform Something called reverse standardization in order to convol standard value to thre original once #If you want some prediction from model so you have to feed input is some way a same from that of Q. and output is same which you feed as y train format, it itis feature scaled so will be the output so just do inverse standarization with same object who did Standavidization SC. reverse branshorn (value) It this will original value which is non Standaridised

Ex m= regressor. Predict (SCI. transform ([[C6.5)]) Tfeed ( you get (9) # now in order to find y inverse transformen on standfeating object of y value = SC2. prinvisetranstom (CmJ) =) Investe transform also take 20 input > HOW to plok find investmens turn of X44 plf.scatter (xinner, yinner, tolor = "red"). plt. plot ( X, pred, color = "yellow"), x already infor Code for med pred = model. Predid(X) regressor y so inverse transform it to y BSC2. inveschanson (Pred)