



(ode Notes import numpy class perception Der wit (Seir, learn, rate = 0.01, nites=1000) things to get a feir. learn ade 1 n-Iters 1 Activ Func function flobal sparkers DCY# = None 12000 - None Det Funct (Self, X, y)
Shape of X, sample Fears -> self. wern - np. 2eos (feats) b= Step (ensure out is O) 1 Farmed learn/apoort 100p for range of 10-1ters (epochs) lopp the sumpers (data set) calc Slin-Rad np.dot (Nt, n. 1) + bis

and Cy-par = aretix fra (In-Red) redorte g stag = a + (y-[idx] - y Red)

Lucigio = + Am · wi bis = + Alon (2) Det Ime (Set, X) ( cot on ) + bus ( cond) In- Output

tering flow # imports import natporthib pyplot as pet from Skleam Model- Selection impost train tost-que from Skleam impost datasets Det Accuracy (y-true, y-Pred) Acc = np. sum (y-true = y-Prod) / len (y-true) Cehun Acc x,y= make dateset X-truin, x-test = & prit b-truin, y-8pt = & prit P- class des w/ learn rate repous P. Fit (X-train, is-troin) Pred = P. predict (X-tosA) Mint Acc