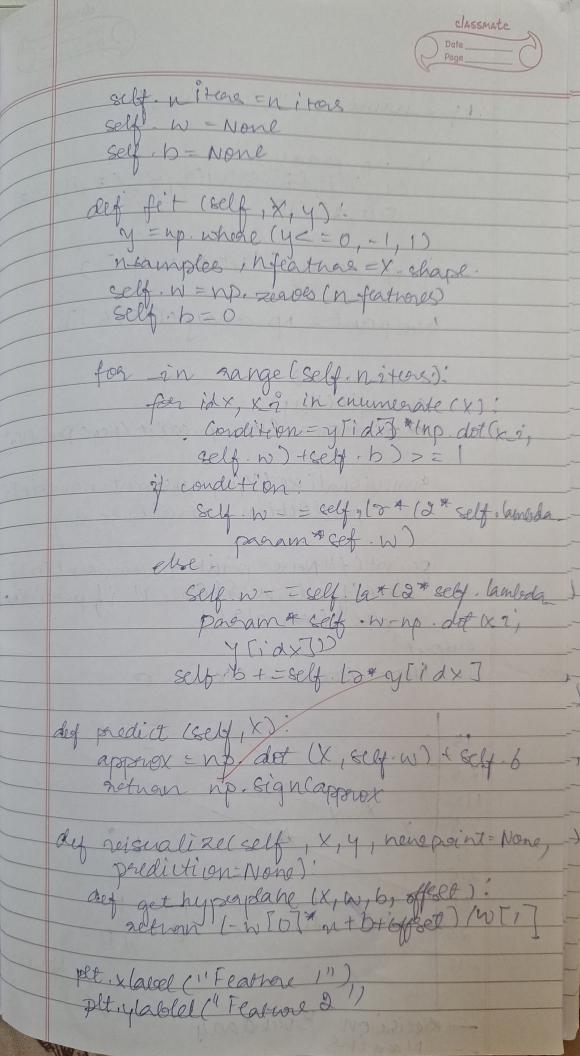
Classmate
Date
Page Auf ed (21, 2): aethan p. squt Cnp. sum Ccn1-2027本が見りつ class know that maintaining and mass def - init (self, K=3); def fit (self, x, y): self x train = np array (x) det predict (self, x):
sethen [self: predict (n) for x in x] day predict (self n): for ntain in self x kain Kindles= np, angeont (distances) Lisey, K) Knlacrest Palells- [self y trainti] for i'n most common? most common(2) refran most common[0][0] det score Cself, x, y) reductions - self predictions = y) X terain = np. aereay([[1,9],[9,3],[3,1], [6,5],[7,7],[8,6]])

x rest = np agray ([0,0,0,1])

X rest = np agray ([5,5]])

Kny = knnck = 3 knnt. fit (x trawn , y frain) prediction = knn predict (x text) ontout KNN classification Padicted Class \* -> classo -1-0-> Class 1 Dans 7 - 21/MARIA X -> Test point + x indice up macontalists access [is What I would state the country of the imposet numpy as up import matplistech, pyplot as plt class SVM det init - Coeff, Ceanning state = 0.001+
Cambda panam = 0.01, nites=100 self. la = learning save self lambda param lambda paran



17 - name = " main !!! X-10,233) (2,87)(3,83,68,1)(8,1)(8) y=np. assay ([0,0,0,1,1,1]) hero point = np. assay ([[5,5]]) SUM=SUMC) sum fit (X,y)
prediction = Sum, predict (new points Sum. visualize (X, y, newpoint=nov. point)
prediction = (prediction) perint (f" Neure point & neno point [0]?
classified or & Class 1' if prediction
else Class 0/9"). output News Point - Class O 15 12.5 10 7-5 2-5 8 4 6 8 - () -2,5 -5 Recision Boundary