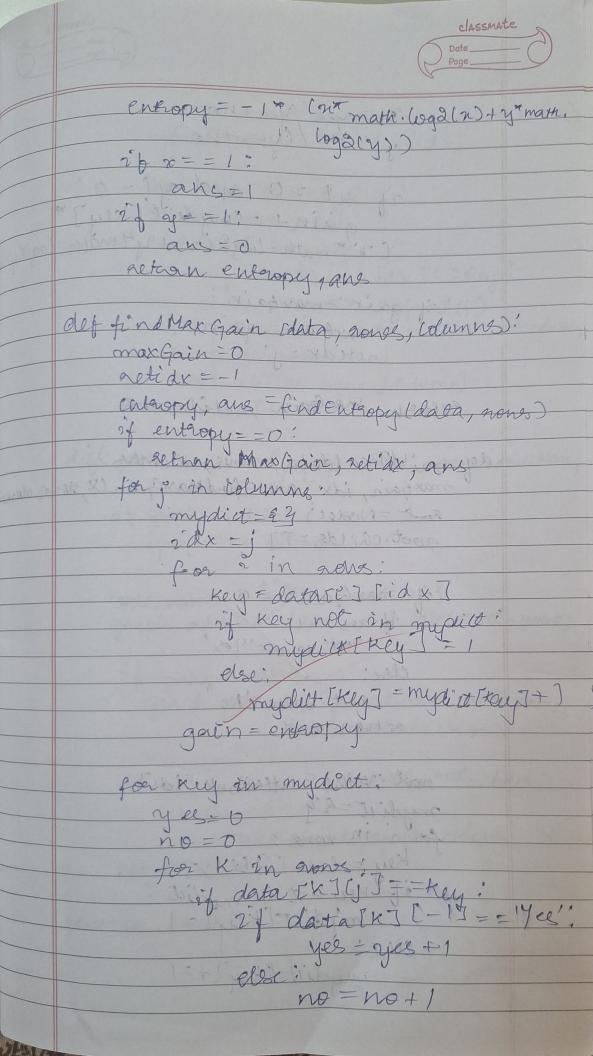
200 3 17/3/25 Emport numpey as up as 2000 import matplotlib. pyplot as plt import pandas als policiones in port mater import copy and hand had anis dataset = pd. reades v (' /content / hoeather es v X = dataset · iloct: , : Jo valnes defendente = [Outlook!, Temp!, 14 umidital and standard twind French worts have nic one over the over o class Node (object) det pinéte Coeff divament self value - None selfo decición = Nones self. child - None det findt ntropy (data, alenes):

yes=0

no=0 idx=len (data (03)-1 for i in gones; if desta [i] [idx] == 1 yes! else: no=no+1 y = no/(yes+no) if n = 0 and y = 0:



n=yee/(yee+no)

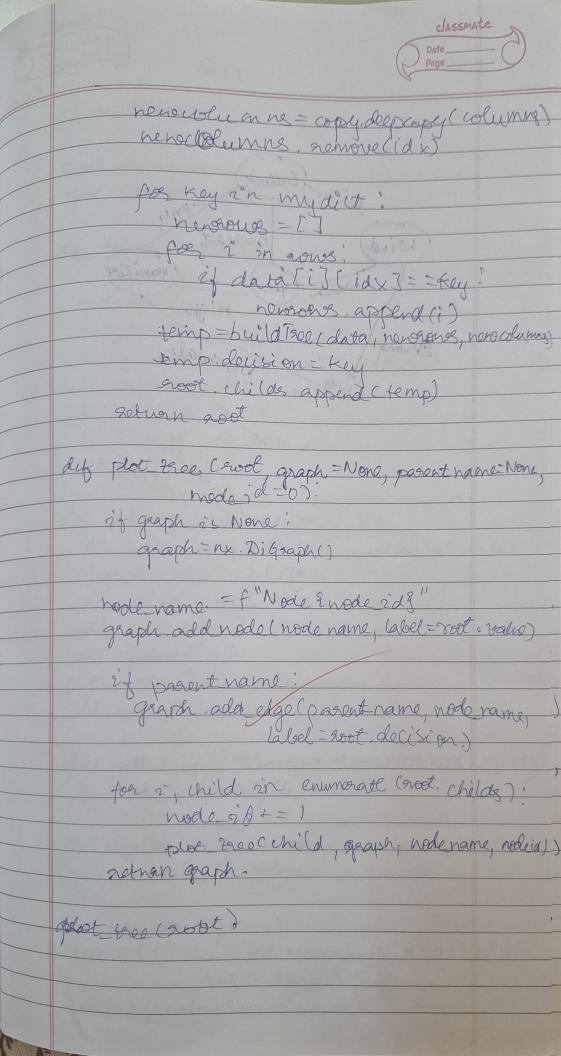
= no/(yee+no) 2) 21 = 0 and y! 0 gain + = (mydect Except & Cz math logal x) + 2 math lo if gain > maxtain; maxtain= gain aetidx = j return marGain retider, and de build Pace (doita) nones, columns)!

max fain, idx, ans = find Max Gain (x, nones) Root = Nodec) geot.childs=[]: xx if ans == 1:
noot. value = 'yes' cles: noot value = No 1 retrongenost not value afferible [idx] mydit = 24 for 1 in gong; Key = data [] [idx] if key not in mydict?

mydict[key]=)

clee:

mydict[key]+=1



Overcast