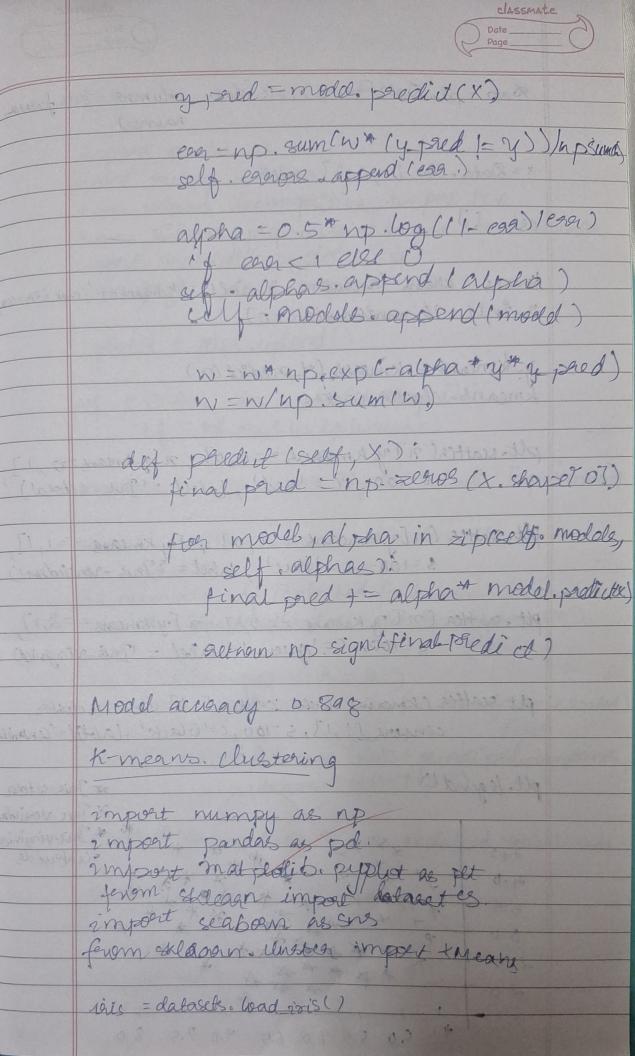
Classmate

Date Page 21/04/185 Random Forest import paadas as pod from skloaan, model selection import train test split from Scleans. Ensemble import Kandom Forest Classifier ferem exteans metrics import accuracy score, classification report files Ada to sect cysloaded -files, uplood () for felename in uploaded keys 10 of - pd, read con Cfc (liname) x=df.: bor Ein time In House in the name?") yedfiloc Diji aliman handike mes x train, x test, y train, y test = train test split (x, y, test size = 0, 2, gardom stort = 4,2) of model = Roundem Forest Closes find (n estimators 100) of model fit (x frain, y train) y pred = of-model. predict (x text) accuracy = accuracy scorety test, y pred) print ( nounag) point Cy test, y-poul. Dutput see whomile Accusacy: 72.08/

Classification Report Classification depon paccision accall f1-scare support 0 0.79 0.78 0.78 pto 0 0.61 0.62 0.61 accuracy 2 macro aug 0.70.70.70.70.70.70.70.70.70 5 y 154 0.70.72 154 Chalan-elif- lashain AdaB oost import numpy at no import mat plotleb. pyplot as polt ampoint scaloren as sn's from skleagn. tall i mysent Be cisson Freder from sklean datasets import make classification serom skleanne de composition i mosorit DIA ens set (style = 11 nohit gerid!) class AdaBo8st: dof -init (self nestimators -50) self needimators = needimators self models = [] -dof fet cself, X, y). n samples, on feature = X shaps n = 1/2 ones Cn samples In samples for estimater in aange (self nestimate) model. fêt (x, y, sample weight "



Data pl. Data Frame (10 is data, columns = iois fate x = Data. cloc [ , 0 3], galros. cis= CJ1) poll from a maybe Knears = KMeans (n.clusters = 3, inet = 1k-means++', maxing n. 2018+=10, nardom storte=0) kneans- cluster centers plt-scatter in [y kmaans = = 0,6], n [y kmeans = 0] plt. scatter (n [y kmoans = 1,0], a [ay kmeans = 1]

s=100, R=1 blue, label = 27nis-varejiden plt. satter (n [y koneans == 2,0], n [y-kmeens == 2,1] pat scattle Chomeans cluster contents; 63, kmeens cluster centers 1:,13, 5=100, c=16 Cack 1 , label="and A Jais-818 plt. legend () + Pars your \* Pristing · Centeral 21.5 4.0 THE REAL PROPERTY. 2.0 4.5 5.0 5.5 6.0 6.5 9.0 7.5 8.0

