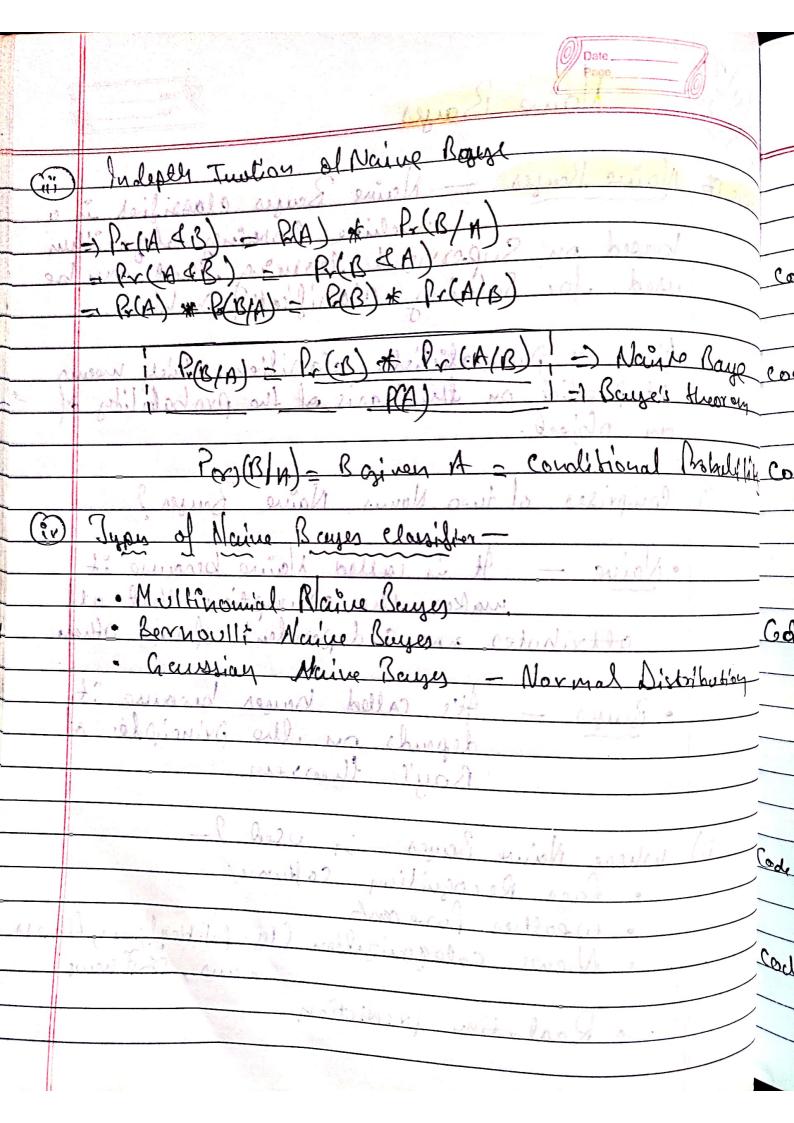
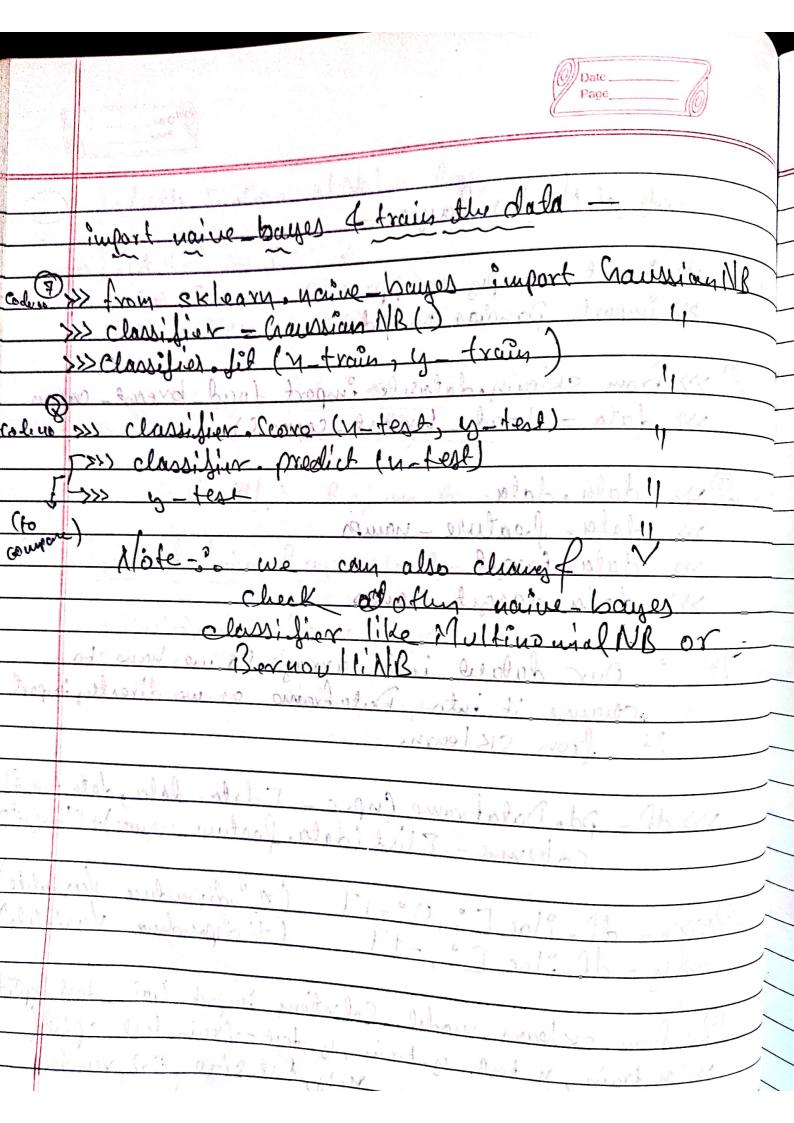
Maire Bayes O) Date ______ Topic 1st Maire Bayes - Name Bayes classified is a machine learning algorithm based on Supervised learning, that can be used for Solving classification problem. It si a probabilité classifier, which meens it prodict on the basis of the probability of on object.

Comprises of two Nouns Name Zonges? Maire — It is called Maire because it makes the assumption that all attributes are independent of each others · Bours - 4t's called bourses because it depends on the principale of Boy's theorem. ii) where Naive Bayes in used I face Recognition software
weather fore oash o News calegorization (fy-folitical news Athress
o Real-time prediction



	Date
	Coole al Navier Bayer
Codum	>>> import numpy as pp.
	>>> import pandons as pd.
oduso ?	From skleury dalosele import loud breast - camer
-	from skleury daloisele import loud breast caucer. 27 data = loud breast caucer()
	> dala data
-	s data. l'eature - names
> ``	>> data. farget names
~	- Sid Dois will be sail soil in all in
idle no	Change it juto Dato France as we directly import
	it from CK learn.
->>>	df - pd. Dataframe (np. c - Edata. data, data, turget) Columns - Elict (data. Jeatures names) + E'tavget!
4m >>>	n = df. floc [:, 0°-17 (# independence Variable)
Me LOSS)	from sk learn model Soloction import frain test split n train, n tost, y train, y test = (rain test split)
251	M-train, M-tost, y-train, y-test = (rain test splat)
	M-train, n-tosa, y-train, y-test=(rain_test-from_ M, y, test-size=0.2, random_ State = 2020)
Charles	Y MUNIC CONTRACTOR OF THE PROPERTY OF THE PROP





	O Date
Maire Bayes	
PORTO = PORTO -	- lor Cateogracal data Set
P(A1B) - P(B/A) xP(A)	Ì
P(B)	= for Catogorical
	1

Date _____ KNN KHN > K-1/ correct Noighbor in Supervised Soth Classiff cation and regression tours Using would (K) of neighborn (Turburan. Kalal-Classiffor K yalus Should be odd. - Steps of mediction of Man justance had Cill Deiley month in your will a befine & Kalleighbors to make in · Calculate the Norogybon distance. and mode a Desiger Mountildances who Majority of 12 seaves - 12 Alsois horodody place - Notadering 2 Jo calculate the distance Sich dian Distance - ad- (N2-Ni)2 + (N2-Vi)2 Marka Manhattandika = d= 12-11+ 1/2-51 >> from ckloami noighbore import Khleighborn Classifier >> classifier - Killershborg Classifier (n- neighborg = 5)

Note If there is So much Ordlier in data Cit than KNN will not work

11/1/2 Heisha Regoduloud and him had a server of the server of th Il K = 5 thon we will find currence of 5 point mean the fredre value From the grade poto the will of should >> Iron & klourn neighbours laport K Me ighbourkopa >>> regression = 12 Mesighbors Aggresssor (n-neighbons) -1 regrossion fit (n train, y-train) In KN/ M Regrassion the output will be the Average of the (K-5) & K neaners Value. in the truly of kNW elaste (1) I we will could buse just hinge dalasel of Outlier & Seneithy of Value 2 stall of milhing planes of it excelle ft als STrow in 111, 1/1/2 will

Date Page parameter in KAIN # weight parameter inknili- Il distance is less weight in more than weight will be less may be High if distance HP = take a distance = . 1 = for Hinkowski 2 - for actidean distunce we com use Hyper paramela tuning after use KNN with Grid Seach CV & Randon Sweet the cure and the burst point that he was the think the sun our thanks and the sun cure than the court with at apparence mula report 1402 1.14