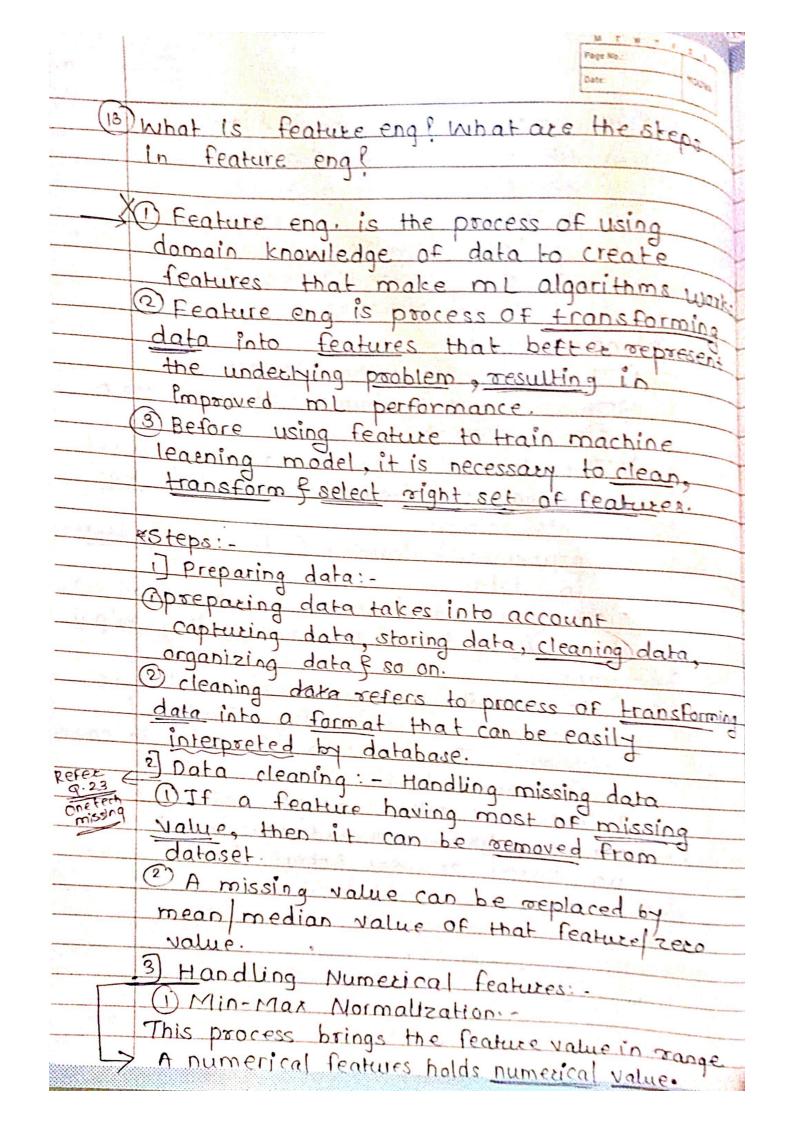
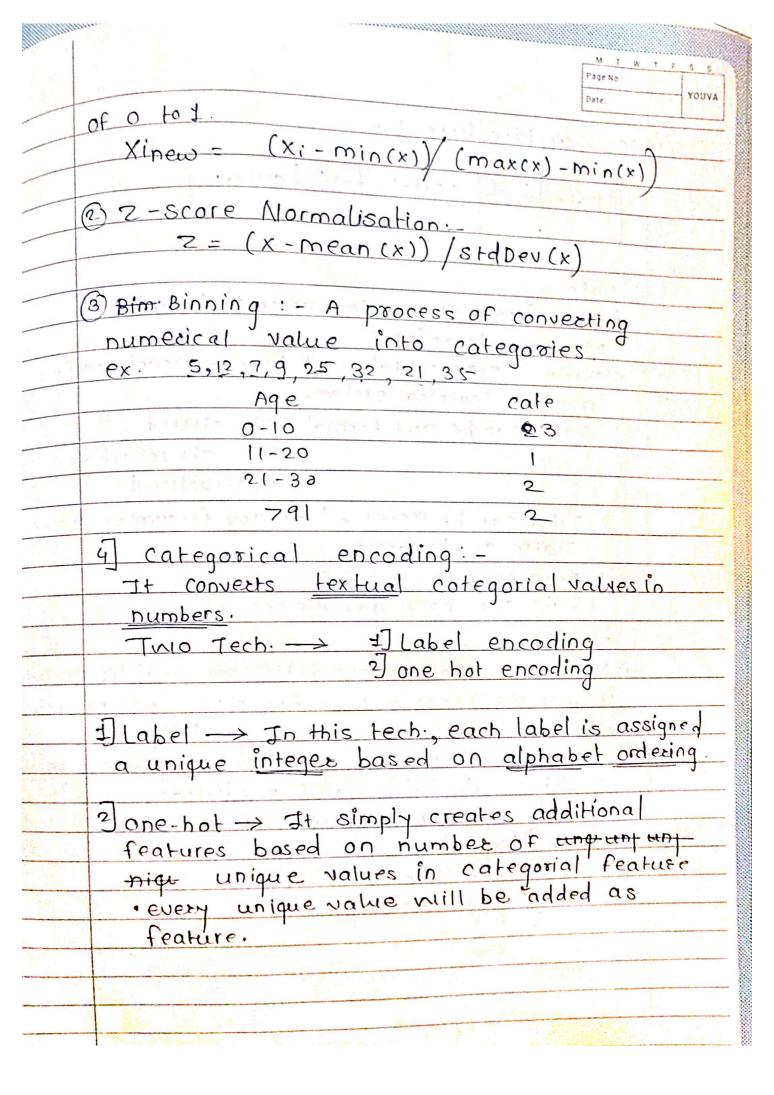
		Page No.: Date: YOUVA
	Dx what is ml?	Avere
100	DIT is field of study that gives Co	mputers
	ability to learn muthout being exp	olicitly
	Drogrammed.	A CALCAL TO STATE OF THE STATE
	@ ML is training of model from dal	-a that
	@ ML is training of model from date generalizes a decision against a po	erformance
	measure.	
The state of the s		field of the last
	(2) technique >	
	A tech is a way of solving pro	oblem.
80-	DSupervised	
, 51	2) Un'	
11	B) Reinforcement	A STATE OF THE STA
0.1	O Supervised: - 1) It is similar to be	uman leaching
	In presence of supervisor.	
	2) Supervisor's roll is to provide ('orrect
	e) Supervisor's voll is to provide (feedback to learner.	
	3). Input to MI model is dataf	1 ts various
1	attributes are properties.	
	· along with data the currect of	outout is
<u> </u>	also provided.	
	4) The aim of supervised machi	ne leaving
	Is to build a model that me	alces
	prediction based an evidance.	in presence
a an sa	of uncertainty.	
	5) A supervised learning algorithm	n takes
	known set of input datafkno	wn setor
** /b-	and data & trains model to	Clara I -
	reasonable response prediction	n for
	reasonable response prediction response to new data.	
A. Car		

	Page No. Page No. Page No.
	6) algorithms used in supervised learning:
	1) Nearest Neighbour classifier
	2) Naive Boyes
	3) Decision Tree
	4) linear Regression
These !	5) Support vector Machine
100	6) Neural Networks.
18	(2) Unsupervised:
	1) This is learning without teacher.
	2) This is basically human's ability to group
TE	similar element.
v	3) Important characteristic of unsupervised
70.3	learning is to find similarity bet two
	events objects.
	4) Unsupervised learning finds hidden palterns
3 4	in data.
	5) Unsupervised learning is where you only
111	have input data & no corresponding output
	variable.
1	6) The goad for unsupervised learning is
	to model the underlying structure/
	distribution in the data in order to learn
	more about data.
	7) These are called unsupervised learning
	because unlike supervised learning there is
11.	no correct answers of there is no teacher.
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(ML architecture: -				
	aremiecrae :	13000			
	Data Model Douth	1000000			
	Data Model outpu				
	Opata:-	# 66 KG			
	· · · · · · · · · · · · · · · · · · ·	The said of the said			
	Data forms the main source of Machine learning.	learning in			
	2) Data is representation at h	77.1			
	2) Data is representation of huma machine learning system.	n experience in			
	3) Data can be any formal-structure	P 1			
	-Service	Hued			
-		structured			
	4) Data can be received at any frequency can be static or dynamic.				
	Static or dynamic.	frequency can be			
	5) Data can be all and a	to say and the say of			
	6) Pata can have any dimension 2) Model -	Alaska yan			
	It mimics behavious of the obs	The second second			
	2) A simplified description association	f real life object			
4.0	A simplified describe	ect It represent			
	mathematical and as	cially a			
50	mathematical one, of a system assist calculation and predi	or process, to			
	201700310	CHON			
1 1 1		model -			
	2) geometric	Service Control of the Control of th			
	(3) probabilistic	A man			
	A St. Andrews				
		A STATE OF THE STA			

			M T W T F S Page No: YOUVA				
23	Nhat is data cleaning? explain tech used for data cleaning?						
	Refe	ez que. NO. 13 from step.	461-1-4-1991-51107-5				
	Techniques:-						
	(1) Removing unwanted observation						
		unwanted obs. like dup					
		Duplicate obs. most fre					
1 30 19 11	de	ata collection such as:					
	4, -	1) combine date					
1111	45 12	2) scrape date	<u>a in in in al di in al Mili</u>				
	1	Receive do	ata from clients				
7/50	2	Handling missing data -	Refer 9.No.13				
	3 categoria encoding → Refer q. No. 13						
V 12m 2 m		() ML Defn, arch.	santa / Tish 1 100				
1	44	(2) Techniques	CAR AS IS A SIGN A BURE				
		(3) Features					
- 73 - 54		(4) examples on M+ Rec	call, precision,				
7	1		curacy				
	**	43 37 CAN TOO 1 1					
	71						
			Established Annual Control				
1),			The same of the sa				
75. P.	1.11+1.1	The state of the s	7				
J. 1885			and the second second second second				

					pate.	YOUVA	
Q.SA Accuracy>							
		77.52	Actua	1 class			
	predicted		TP	FP	1 - 14 =		
	class	1 1	FN	TN		III THE SECOND	
7.1		Fig. 30		i grillon	71.7		
1/414 .	18. p. p. 1	7 11-1	id bay-safile		agent of		
<i>b</i> . 6	Confusio	n ma	trix:-	7	1118	400	
	DA conf	usion	matrix is	s a table	that is	Often	
Sept of	used	to des	scribe the	e perform	nance c	DF	
	classific	ation	model	on set	of test	data	
4.1				values c			
(2	It all	ows t	he visual	ization o	F perfor	rmance	
	of an o	algorite	ım.	<u> </u>	ra filita	100	
(3	It allo	ws ea	isy ident	ification	of conf	'uslan	
	beth. cl		No. of the second	1 2 3 2 2		L. A.M.	
4) A cont	fusion	matrix	is summ	ary of		
	prediction	n res	ults on	Classifica	Hon pro	blem.	
_(5)	The nur	nber c	of carrec	+ & incorre	ect Dred	diction	
	are sur	nmariz	ed mit	count v	Jalues &	hooken	
de	own by	each	class.	his is th	e ken	ta	
down by each class. This is the key to confusion matrix.							
(e) -	The con	fusion	matrix s	shows the	2 (1)0012	°n	
(6) The confusion matrix shows the ways in which your classification madel is							
confused when it makes preditions.							
	-			ares poe	ed Hons.	1	