



E	62020 ML BARFI Page No. Date J
A MA	4/12
	027
	A MOP /
	wait-fibers /
	(iii) designing was
	Steps in dandaping g machine rearning model
	1. Collection of data
	1) You should willest the Lamples from 9
	Dessite and entract the data
	@ From an RSI freed for an API.
	2. Preparation of data O once you have the input data, you need to check -
1-1	uluther if it useable forment or not -
	2) some algorithm can accept some experific
	value and many company
	3. Analyse the input data
	@ You have to check the data for a number of
	tasks you need to perform in the date
	2) Looking at the data yet have gotten you need to nalyse the data as men
	nalyse the dark as mely
	4. The importance of this step is, not accepting
18	any garbage valu which is given 5. Frain the algorithm
	5. Frain the algorithm (b) glood clean from the first few steps is given as input and the data is split into train and test and the training of the data is done. 6 Test the algorithm
	siven as input and the data is that into train
	and test and the training of the data is done
	a Pest the algorithm
	O Information warned in the previous step is put to
	a test. In cour the upon person and recovering
	you have to use some other methods to do it
	7. 112 the gotten data and
	you have to use some other methods to do it The program is made to do 9 specific task

E	62020 ML BARFI Page No. Date
	Roberta
51	5/12
	Q2] while si wish arrang primiting out so (4)
	A (2) + (2) 1 (0)
	21114 = 8 160
	i company and the second of th
	Of A support wester machine is a supervised learning
	algorithm that sorts data into 2 categorics
	2) An evm supports a map of the corted data
	with the margine between the two as far as
	algorithm that sorts data into 2 categories The event supports a map of the corted data with the margine between the two as far as possible.
9.9	(3) sym is called the maximum margin classifier
	because the numeric Input variable (x) in
	(3) svm is called the maximum margin classifier because the numeric Input variable(x) in your data (the assumus) form an n-dimensional space
	(4) Inside huilding an even mor a little data
	4) consider building an even over a little data
100	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
la so	The state of the s
	0 2
	en Come and the introduction (the
	(5) The maximum margin vector will be parallel to
	the shortest line connecting points of the two classes. Therefore it passes terrough
	two classes. Therefore it passes terrousla
	CONTRACTOR STATE
	Y=11+2712-5.5
	(6) Now, me construit a constraint over this
	a + 2a + b = -1 Hence, $a = 2/5$
	a + 2a + b = -1 Hence, $a = 2/52a + 6b + b = 1$ $b = -11/5$

