



Subject	Age	Glucose level					
1	43	99					
2	21	65					
3	25	79					
4	42	75					
5	57	87					
6	59	81					
Table-1b							

9 L3 CO1 1,2

c. Compute the location and the dispersion statistics for the attribute "age" 9 where its values are 24, 72, 18, 59, 47, 11, 61 and 33.

L3 CO1 1.2

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	UNIT - II			18			
2 a.	Explain the main problems that affect the data quality.			9	L2	CO2	1, 2,3
b.	Define discretization. Explain the steps involved in discretization.						
	Apply the same to convert 9 quantitative values 2, 3, 5, 7, 10, 15, 16, 19,			9	L2	CON	1 2 2
	and 20 into three bins, whose nominal values are A, B and C, using			9	L3	02	1,2,3
	association by width and association by frequency.						
с.	Define Dimensionality reduction. List the different ways and explain			9	10	CO2	1 2 2
	any one in detail.			9	LZ	02	1, 2,3
	UNIT - III						
3 a.	. Define clustering. Explain the main types of clusters.			9	L2	CO3	2,3
b.	Apply K-means algorithm for the dataset			9	12	CO3	1
	$K = \{2, 3, 4, 10, 11, 12, 20, 25, 30\}$ to form two cluster.			2	L	005	1
с.	Find the frequent itemset and generate association rules for the following						
	given transaction dataset. Assume that minimum support threshold = $2$						
	and with the association confident threshold 50%						
	Transaction ID	Items					
	T <sub>1</sub>	b, d, c, a		9	L3	CO3	2,3
	T <sub>2</sub>	e, d, c	_				
	T <sub>3</sub>	a, b	-				
	$T_4$	a, c, d	-				
	T <sub>5</sub>	f, g, d, b					
	UNIT - IV			18			
4 a.	Explain how the predictive performance for regression is measured.			9	L2	CO4	2,3
b.	b. Write a pseudocode for an K-NN algorithm and, list the advantages and		9	L2	CO4	2,3	
	disadvantages of K-NN.						,
с.	c. Explain how naive bayes algorithm used for classification.			9	L2	CO4	2,3
	UNIT - V			18			
5 a.			9	L2	CO5	2,3	
	and disadvantages.						
b.				9		CO5	2,3
с.	Explain the different phases of text mining task.			9	L2	CO5	2,3