

Unit 03: Various Data Pre-processing Operations

1.	_____ is the process of converting data to either 0 or 1 based on a threshold value.			
	Binarizing data	Label encoding	One hot encoding	Standardizing data
2.	Which of these represents the techniques of data transformation?			
	Binarizing data	Label encoding	One hot encoding	All of the above
3.	The process of _____ is used to convert textual labels into numeric form in order to prepare it to be used in a machine-readable form.			
	Binarizing data	Label encoding	One hot encoding	Standardizing data
4.	Where is the data integration carried out?			
	Data warehousing	Data migration	Information integration	All of the above
5.	The redundant data can be detected using			
	Concept of correlation analysis	Concept of regression analysis	Concept of classification analysis	Concept of clustering analysis
6.	The value +1 of correlation coefficient indicates			
	No relationship	A perfect positive relationship	A perfect negative relationship	Just a number
7.	The value -1 of correlation coefficient indicates			
	No relationship	A perfect positive relationship	A perfect negative relationship	Just a number
8.	Which of these techniques of data integration is also known as Uniform Data Access?			
	Virtual integration	Physical data integration	Application based integration	Manual integration
9.	Which of these are data integration tools?			
	Microsoft	Talend	IBM	All of the above
10.	Which of the following are data pre-processing operations?			
	Data reduction	Data cleaning	Data transformation	All of the above
11.	The data is cleaned by:			

Filling in the missing values	Smoothing noisy data	Detecting and removing outliers	All of the above
12. The methods for smoothing noisy data are:			
Regression	Binning	Both of the above	None of the above
13. Which of these can be used for smoothing of noisy data?			
Equal width binning	Equal frequency binning	Both of the above	None of the above
14. _____ works by performing a greedy search to acquire the best feature subset from a given dataset.			
Recursive feature elimination	Univariate selection	Stepwise forward selection	Stepwise backward elimination
15. Which process of discretization is also known as splitting?			
Top-down discretization	Bottom-up discretization	Left-right discretization	Right-left discretization
16. Which of these represents the techniques of data transformation?			
A. Binarizing data	B. Label encoding	C. One hot encoding	D. All of the above
17. _____ is the process of converting data to either 0 or 1 based on a threshold value.			
A. Binarizing data	B. Label encoding	C. One hot encoding	D. Standardizing data
18. The process of _____ is used to convert textual labels into numeric form in order to prepare it to be used in a machine-readable form.			
A. Binarizing data	B. Label encoding	C. One hot encoding	D. Standardizing data
19. Where is the data integration carried out?			
A. Data warehousing	B. Data migration	C. Information integration	D. All of the above
20. The redundant data can be detected using			
A. Concept of correlation analysis	B. Concept of regression analysis	C. Concept of classification analysis	D. Concept of clustering analysis
21. The value +1 of correlation coefficient indicates			

A. No relationship	B. A perfect positive relationship	C. A perfect negative relationship	D. Just a number
--------------------	------------------------------------	------------------------------------	------------------

22. The value -1 of correlation coefficient indicates			
A. No relationship	B. A perfect positive relationship	C. A perfect negative relationship	D. Just a number

23. Which of these techniques of data integration is also known as Uniform Data Access?			
A. Virtual integration	B. Physical data integration	C. Application based integration	D. Manual integration

24. Which of these are data integration tools?			
A. Microsoft	B. Talend	C. IBM	D. All of the above

25. Which of the following are data pre-processing operations?			
A. Data reduction	B. Data cleaning	C. Data transformation	D. All of the above

26. The data is cleaned by:			
A. Filling in the missing values	B. Smoothing noisy data	C. Detecting and removing outliers	D. All of the above

27. The methods for smoothing noisy data are:			
A. Regression	B. Binning	C. Both of the above	D. None of the above

28. Which of these can be used for smoothing of noisy data?			
A. Equal width binning	B. Equal frequency binning	C. Both of the above	D. None of the above

29. _____ works by performing a greedy search to acquire the best feature subset from a given dataset.			
A. Recursive feature elimination	B. Univariate selection	C. Stepwise forward selection	D. Stepwise backward elimination

30. Which process of discretization is also known as splitting?			
A. Top-down discretization	B. Bottom-up discretization	C. Left-right discretization	D. Right-left discretization