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| S. No. | Topic | Page No. | Date |
| 11. | Demonstrate following pre-processing operations in given sequence using Knowledge flow: -   1. Load weather numeric dataset. 2. Add Attribute name “rain” at index 1. 3. Discretize the attribute i.e., temperature & humidity. 4. Apply association rule applying “apriori” algorithm. 5. Use text viewer component to display the dataset. 6. f) Save the dataset as “.arff” files. |  |  |
| 12. | Following pre-processing in given sequence by using Unsupervised filters using Knowledge Flow:-   1. Load the “Diabetes.arff” dataset. 2. Introduce the 30% missing values in the dataset 3. c) Replace the missing values in the dataset using mean and mode. |  |  |
| 13. | Replace the missing value with constant value, for example, replace missing numerical value with one and replace missing nominal “N/A”, using unsupervised filter using both interfaces (“Explorer” and “Knowledge Flow”) |  |  |
| 14 | Apply “Unsupervised” filter to fetch all instances from dataset “Diabetes.arff” having age above 30. |  |  |