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| **L No** | **TOPICS** |
| 1 | Data Mining-Introduction, Kinds of data mined, Technologies used, targeted Applications and Major issues in Data mining |
| 2 | Data objects & attribute types |
| 3 | Statistical descriptions of data, Data Visualization |
| 4 | Measuring data similarity & dissimilarity |
| 5 | Data preprocessing overview, data cleaning |
| 6 | Data cleaning |
| 7 | Data Integration |
| 8 | Data Integration , Data Reduction |
| 9 | Data Reduction |
| 10 | Data Transformation and Data Discretization |
| 11 | Market Basket Analysis |
| 12 | Frequent Itemset Mining Methods-Apriori Algorithm |
| 13 | Apriori, partition algorithm |
| 14 | Pincer-Search algorithm |
| 15 | Dynamic Itemset Counting algorithm |
| 16 | Frequent pattern tree, PC tree |
| 17 | Mining Frequent Itemsets Using the Vertical Data Format, |
| 18 | Pattern Evaluation Methods |
| 19 | Data warehouse definition, Data Warehouse Modeling |
| 20 | Data Cube and OLAP |
| 21 | Data Warehouse Design and Usage(SDL) |
| 22 | Data Warehouse Implementation(SDL) |
| 23 | Data Generalization by Attribute-Oriented Induction |
| 24 | Classification: Basic concepts, Decision Tree Induction |
| 25 | Bayes Classification Methods |
| 26 | Rule-Based Classification |
| 27 | Model Evaluation and Selection |
| 28 | Techniques to Improve Classification Accuracy |
| 29 | Cluster analysis, Partitioning Methods |
| 30 | Hierarchical Methods |
| 31 | Density-Based Methods(SDL) |
| 32 | Evaluation of Clustering |
| 33 | Outliers and Outlier Analysis, Outlier Detection Methods |
| 34 | Clustering-Based Approaches, Classification-Based Approaches |
| 35 | Overview of information retrieval  (SDL) |
| 36 | Text and Web Page Pre-Processing (SDL) |