

Apriori Algorithm

The Apriori algorithm is a classic algorithm used in data mining for learning association rules. It was proposed by R. Agrawal and R. Srikant in 1994. The key idea of the Apriori algorithm is to identify frequent individual items in the dataset and extend them to larger item sets as long as those item sets appear sufficiently often in the dataset.

Key Steps of Apriori Algorithm

Step-1: Determine the support of itemsets in the transactional database, and select the minimum support and confidence.

Step-2: Take all supports in the transaction with higher support value than the minimum or selected support value.

Step-3: Find all the rules of these subsets that have higher confidence value than the threshold or minimum confidence.

Step-4: Sort the rules as the decreasing order of lift.