

Assignment

Individual

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Session 05

To be Submitted Week 06

Table 1 shows a list of transactions happening in supermarket “ABC”.

Table 1. Corn Plant Dataset

Transaction ID	Items bought
T1	pen, bread, butter
T2	bread, butter, egg, milk
T3	spinach, egg, milk
T4	bread, butter
T5	bread, butter, ketchup, egg, milk

Trace the results of using the Apriori algorithm on the data above with support threshold $s=28\%$ and confidence threshold $c=70\%$.

- Show the candidate and frequent itemsets for each database scan. Enumerate all the final frequent itemsets.
- Also indicate the association rules that are generated and highlight the strong ones, sort them by confidence.