

## Intelligent data analysis (Data Mining)


### Individual task. Association rules

Draw up in the form of a report.

1. Generate or read from file binary matrix of transactions (at least 20 transactions and 6 items).

**Example database with 5 transactions and 5 items**

transaction ID	milk	bread	butter	beer	diapers
1	1	1	0	0	0
2	0	0	1	0	0
3	0	0	0	1	1
4	1	1	1	0	0
5	0	1	0	0	0



binary  
matrix

2. Form association rules by algorithm Apriori.
3. Calculate support and confidence of each rules.
4. Choose the 5 most reliable association rules.