

MSBD5002: Data Mining and Knowledge Discovery (MicroMasters)

Exercise 1

Association Rule Mining

**Q1 Apriori Algorithm**

Given the following transactions, and the support threshold = 2.

A	B	C	D	E
1	0	0	1	0
1	0	0	1	1
0	0	1	0	0
1	0	1	1	1
1	0	1	0	1

Follow the steps of the Apriori Algorithm and deduce  $L_1$ ,  $C_2$ ,  $L_2$ ,  $C_3$ ,  $L_3$ ,  $C_4$ , ... until all the large itemsets are discovered.