Methods:

Apriori Algorithm:

Given data set is as follows:

ID Values

101 A, B, C, D, E

102 A, C, D

103 D, E

104 B, C, E

105 A, B, D, E

106 A, B

107 B, D, E

108 A, B, D

109 A, D

110 D, E

MIN SUPPORT = 3

THRESHOLD – 30 %

Step – 1 :

A 6

B 6

C 3

D 8

E 6

As all the values are greater than or equal to the minimum support all are considered.

Step – 2:

A, B 4

A, C 2

A, D 5

A, E 2

B, C 2

B, D 4

B, E 4

C, D 2

C, E 2

D, E 5

As the min support = 3 we need to remove which are less than 3.

A, B 4

A, D 5

B, D 4

B, E 4

D, E 5

Step – 3:

A, B, D 3

B, D, E 3

Step – 4:

a) {A, B, D} – First …