ISOM3360 Assignment: Association Rule

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1 Answer

There are 6 frequent itemsets, they are {1,2}, {2,4}, {1}, {2}, {3} and {4}.

2 Procedures

Candidate itemset 1:

itemset	sup.	
{1}	5	
{2}	6	
{3}	5	
{4}	5	
{5}	3	Eliminated

Frequent itemset 1 with minimum support 4:

itemset	sup.
{1}	5
{2}	6
{3}	5
{4}	5

Candidate itemset 2:

itemset	sup.	
{1,2}	4	
{1,3}	3	Eliminated
{1,4}	2	Eliminated
{2,3}	3	Eliminated
{2,4}	4	
{3,4}	3	Eliminated

Frequent itemset 2 with minimum support 4:

itemset	sup.
{1,2}	4
{2,4}	4

Candidate itemset 3:

itemset	sup.	
{1,2,4}	2	Eliminated

Therefore, we have 6 frequent itemsets in total, they are {1,2}, {2,4}, {1}, {2}, {3} and {4}.