

1. Generate the frequent itemsets and strong association rules for the below transaction data considering minimum support count=2 and minimum confidence threshold of 70%.

Transactional Data for an *AllElectronics* Branch

<i>TID</i>	<i>List of item IDs</i>
T100	I1, I2, I5
T200	I2, I4
T300	I2, I3
T400	I1, I2, I4
T500	I1, I3
T600	I2, I3
T700	I1, I3
T800	I1, I2, I3, I5
T900	I1, I2, I3

2. Generate the frequent itemsets and strong association rules for the below transaction data considering minimum support = 60% and minimum confidence threshold of 80%.

<i>TID</i>	<i>items_bought</i>
T100	{M, O, N, K, E, Y}
T200	{D, O, N, K, E, Y }
T300	{M, A, K, E}
T400	{M, U, C, K, Y}
T500	{C, O, O, K, I, E}

3. Generate the frequent itemsets and strong association rules for the below transaction data considering minimum support = 60% and minimum confidence threshold of 80%.

[SPECTF dataset](#)

**Note :** Consider the first 20 rows and 5 columns for generating frequent itemsets and association rules.