**Data Mining and Warehousing**

Association Rule Mining

Practice Assignment 4-May-2021

Consider an example with the following set of transactions of a stitching accessories store. We wish to find associations with at least **30% support and 60% confidence**. Find the **frequent item sets** and **list all possible rules** that can be generated from the frequent item set. Write the **interpretation of rules** that fulfill the minimum confidence criteria.

You can use the abbreviations in the process of finding associations, however, when the computation is complete, interpret the rules with the original item names.

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| **Transaction ID** | **Product(s)** |
| 1 | Cloth, Scissors, Chalk, Thread |
| 2 | Needle, Button, Lace, Cloth |
| 3 | Scissors, Chalk, Thread |
| 4 | Needle, Button, Lace |
| 5 | Lace, Cloth, Thread |
| 6 | Button, Chalk, Thread |
| 7 | Button, Cloth, Chalk |
| 8 | Lace, Cloth, Scissors |
| 9 | Cloth, Scissors, Thread |
| 10 | Needle, Button, Lace, Cloth, Scissors, Chalk, Thread |