**Assignment Sheet -1**

Assignments on High utility itemset (HUI) mining

1. **Assignment**
2. Mine Top-k HUI using PHM algorithm
3. Mine closed HUI using PHM algorithm
4. Mine HUI using PHM with length constraints
5. **Assignment**
6. Mine Top-k HUI using FHM algorithm
7. Mine closed HUI using FHM algorithm
8. Advantages and applications of Closed Pattern and Top-k Pattern
9. **Assignment**
10. Mine Top-k HUI using HUP-Miner algorithm
11. Mine closed HUI using HUP-Miner algorithm
12. Mine HUI using HUP-Miner with length constraints
13. **Assignment**
14. Mine Top-k HUI using FHM+ algorithm
15. Mine closed HUI using FHM+ algorithm
16. Advantages and applications of length based constraints and correlated Frequent pattern mining
17. **Assignment**
18. Mine Top-k HUI using FCHM algorithm
19. Mine closed HUI using FCHM algorithm
20. Mine HUI using FCHM with length constraints
21. **Assignment**
22. Mine Top-k HUI using FHN algorithm
23. Mine closed HUI using FHN algorithm
24. Mine HUI using FHN with length constraints
25. **Assignment**
26. Mine Top-k HUI using FOSHU algorithm
27. Mine closed HUI using FOSHU algorithm
28. Mine HUI using FOSHU with length constraints
29. **Assignment**
30. Mine Top-k HUI using EIHI algorithm
31. Mine closed HUI using EIHI algorithm
32. Mine HUI using EIHI with length constraints
33. **Assignment**
34. Mine Top-k HUI using HUG-Miner algorithm
35. Mine closed HUI using HUG-Miner algorithm
36. Mine HUI using HUG-Miner with length constraints
37. **Assignment**
38. Mine Top-k HUI using GHUI-Miner algorithm
39. Mine closed HUI using GHUI-Miner algorithm
40. Mine HUI using GHUI-Miner with length constraints
41. **Assignment**
42. Mine Top-k HUI using HUSRM algorithm
43. Mine closed HUI using HUSRM algorithm
44. Mine HUI using HUSRM with length constraints
45. **Assignment**
46. Mine Top-k HUI using USPAN algorithm
47. Mine closed HUI using USPAN algorithm
48. Mine HUI using USPAN with length constraints
49. **Assignment**
50. Mine Top-k HUI using EFIM algorithm
51. Mine HUI using EFIM with length constraints
52. Mine rare HUI using EFIM algorithm

Note: information regarding algorithms, datasets and coding of the algorithms follow this link <http://www.philippe-fournier-viger.com/spmf/>

* Programming language- JAVA

Survey:-

1. Mining high-utility itemsets in a transaction database having profit information.
2. Mining high-utility itemsets in a transaction database containing negative unit profit values.
3. Mining on-shelf high-utility itemsets in a transaction database containing information about time periods of items.
4. Mining high-utility itemset on dynamic datasets. (incremental, sliding window etc)
5. Mining high-utility sequential patterns in a sequence database.
6. A survey on pruning strategies on high-utility itemsets mining.

Note:- Survey should not be plagiarised.