Test results from code, will show amount of transactions, amount of elements, minsup, minconf, and resulting frequency item set and association rules

FOR DATABASE 1, size: 20 and contains: 9 elements

0 2 3 5 6 7 1 4 0 sunflower bellflower None None None None None None 1 tulips peonies None None None None None rose 2 peonies sunflower bellflower dahlia marigold None None tulips 3 None None dahlia marigold daisy violet None None 4 None None None rose None None None None 5 tulips None None None None None None rose 6 dahlia marigold rose daisy None None None None 7 sunflower bellflower None None None None None None 8 bellflower dahlia marigold daisy violet None None None 9 tulips peonies None None rose None None None 10 tulips None None None None None None rose 11 marigold daisy violet None None None None rose 12 sunflower None None violet daisy None None None 13 dahlia daisy None None None None None None None None None 14 marigold daisy violet None None 15 rose daisy violet None None None None None sunflower bellflower dahlia None None 16 marigold None None 17 tulips None None None None None None None 18 marigold None None None None None None rose 19 rose tulips peonies sunflower bellflower dahlia marigold daisy

Enter in your minsup threshold value: >? 1/6

Enter in your minconf threshold value: >? ½

#RESULTING FREQUENCY ITEMSET

- 0.2 ['peonies']
- 0.3 ['sunflower']
- 0.5 ['rose']
- 0.35 ['dahlia']
- 0.3 ['bellflower']
- 0.3 ['violet']
- 0.35 ['tulips']
- 0.45 ['marigold']
- 0.45 ['daisy']
- 0.2 ['peonies', 'tulips']
- 0.25 ['sunflower', 'bellflower']
- 0.25 ['rose', 'tulips']
- 0.2 ['rose', 'marigold']
- 0.2 ['rose', 'daisy']
- 0.2 ['dahlia', 'bellflower']
- 0.3 ['dahlia', 'marigold']
- 0.25 ['dahlia', 'daisy']
- 0.2 ['bellflower', 'marigold']
- 0.2 ['violet', 'marigold']
- 0.3 ['violet', 'daisy']
- 0.3 ['marigold', 'daisy']
- 0.2 ['dahlia', 'bellflower', 'marigold']
- 0.2 ['dahlia', 'marigold', 'daisy']
- 0.2 ['violet', 'marigold', 'daisy']

#RESULTING ASSOCIATION RULES

['peonies'] ---> ['tulips'] with a confidence of 1.0

['tulips'] ---> ['peonies'] with a confidence of 0.5714285714285714

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['rose'] ---> ['tulips'] with a confidence of 0.5
['tulips'] ---> ['rose'] with a confidence of 0.7142857142857143
['dahlia'] ---> ['bellflower'] with a confidence of 0.5714285714285714
['dahlia'] ---> ['marigold'] with a confidence of 0.8571428571428571
['dahlia'] ---> ['daisy'] with a confidence of 0.7142857142857143
['daisy'] ---> ['dahlia'] with a confidence of 0.5555555555555555
['violet'] ---> ['daisy'] with a confidence of 1.0
['daisy'] ---> ['violet'] with a confidence of 0.666666666666666
['daisy'] ---> ['marigold'] with a confidence of 0.6666666666666666
['dahlia'] ---> ['bellflower', 'marigold'] with a confidence of 0.5714285714285714
['dahlia', 'bellflower'] ---> ['marigold'] with a confidence of 1.0
['dahlia'] ---> ['marigold', 'bellflower'] with a confidence of 0.5714285714285714
['dahlia', 'marigold'] ---> ['bellflower'] with a confidence of 0.666666666666666
['bellflower', 'dahlia'] ---> ['marigold'] with a confidence of 1.0
['bellflower', 'marigold'] ---> ['dahlia'] with a confidence of 1.0
['marigold', 'dahlia'] ---> ['bellflower'] with a confidence of 0.6666666666666666
['marigold', 'bellflower'] ---> ['dahlia'] with a confidence of 1.0
['dahlia'] ---> ['marigold', 'daisy'] with a confidence of 0.5714285714285714
['dahlia'] ---> ['daisy', 'marigold'] with a confidence of 0.5714285714285714
['dahlia', 'daisy'] ---> ['marigold'] with a confidence of 0.8
['marigold', 'dahlia'] ---> ['daisy'] with a confidence of 0.66666666666666666
```

FOR DATABASE 2, size: 20 and contains: 8 elements

0 1 2 3 4 5 6

- 0 bread milk None None None None None
- 1 beer eggs coke towels pizza None None
- 2 beer pizza None None None None
- 3 bread milk beer eggs coke towels pizza
- 4 bread diaper beer eggs None None None
- 5 towels pizza bread milk None None None
- 6 pizza coke None None None None
- 7 coke None None None None None
- 8 milk diaper beer coke None None None
- 9 milk beer coke None None None None
- 10 pizza coke beer None None None None
- 11 diaper pizza beer None None None
- 12 bread milk diaper beer None None None
- 13 bread beer None None None None
- 14 beer milk None None None None None
- 15 beer milk coke None None None None
- 16 bread milk diaper coke None None None

- 17 beer milk None None None None None
 18 towels diaper beer None None None None
 19 milk eggs None None None None None
- Enter in your minsup threshold value: >? 2/7

Enter in your minconf threshold value: >? 1/3

#RESULTING FREQUENCY ITEMSET

- 0.35 ['pizza']
- 0.3 ['diaper']
- 0.55 ['milk']
- 0.35 ['bread']
- 0.45 ['coke']
- 0.7 ['beer']
- 0.35 ['milk', 'beer']
- 0.3 ['coke', 'beer']

#RESULTING ASSOCIATION RULES

['milk'] ---> ['beer'] with a confidence of 0.636363636363636364

['beer'] ---> ['milk'] with a confidence of 0.5

['beer'] ---> ['coke'] with a confidence of 0.42857142857142855

FOR DATABASE 3, size: 20 and contains: 8 elements

0 1 2 3 4 5 6

- 0 house coffee None None None None None
- 1 latte sandwich None None None None None
- 2 juice salad None None None None None
- 3 tea house coffee juice None None None
- 4 house coffee sandwich None None None None None
- 5 latte pastry None None None None None

6	house coffee	tea	None	None	None	None	None
7	tea	pastry	None	None	None N	one No	one
8	house coffee	sandwi	ich pas	stry sala	d juice	None	None
9	latte s	andwich	pastry	salad	mocha ji	uice N	one
10	salad	mocha	juice	None	None	None I	None
11	house coffee	tea	latte	None	None	None	None
12	house coffee	sala	d mod	cha juice	e None	None	None
13	tea	latte sar	ndwich	juice pa	astry sala	ad Nor	ne
14				1-44			
• •	mocha	juice	tea	latte san	dwich N	lone N	one
15		•		None			
15		mocha	tea	None	None I	None N	None
15	salad house coffee	mocha tea	tea latte	None	None I	None N	None mocha
15 16 17	salad house coffee	mocha tea latte sar	tea latte	None sandwich None	None I pastry None I	None N salad i	None mocha Ione

Enter in your minsup threshold value: >? 1/7

Enter in your minconf threshold value: >? 2/3

#RESULTING FREQUENCY ITEMSETS

0.3 ['mocha']

0.4 ['house coffee']

0.45 ['juice']

0.5 ['sandwich']

0.45 ['tea']

0.35 ['pastry']

0.4 ['latte']

0.5 ['salad']

0.2 ['mocha', 'juice']

0.15 ['mocha', 'sandwich']

0.15 ['mocha', 'tea']

0.15 ['mocha', 'latte']

0.25 ['mocha', 'salad']

- 0.15 ['house coffee', 'juice']
- 0.15 ['house coffee', 'sandwich']
- 0.2 ['house coffee', 'tea']
- 0.15 ['house coffee', 'salad']
- 0.25 ['juice', 'sandwich']
- 0.15 ['juice', 'tea']
- 0.2 ['juice', 'pastry']
- 0.15 ['juice', 'latte']
- 0.35 ['juice', 'salad']
- 0.2 ['sandwich', 'tea']
- 0.25 ['sandwich', 'pastry']
- 0.3 ['sandwich', 'latte']
- 0.3 ['sandwich', 'salad']
- 0.15 ['tea', 'pastry']
- 0.25 ['tea', 'latte']
- 0.15 ['tea', 'salad']
- 0.2 ['pastry', 'latte']
- 0.25 ['pastry', 'salad']
- 0.15 ['latte', 'salad']
- 0.15 ['mocha', 'juice', 'salad']
- 0.15 ['mocha', 'sandwich', 'latte']
- 0.2 ['juice', 'sandwich', 'pastry']
- 0.15 ['juice', 'sandwich', 'latte']
- 0.2 ['juice', 'sandwich', 'salad']
- 0.2 ['juice', 'pastry', 'salad']
- 0.2 ['sandwich', 'tea', 'latte']
- 0.15 ['sandwich', 'pastry', 'latte']
- 0.25 ['sandwich', 'pastry', 'salad']
- 0.15 ['sandwich', 'latte', 'salad']
- 0.15 ['pastry', 'latte', 'salad']
- 0.2 ['juice', 'sandwich', 'pastry', 'salad']

#RESULTING ASSOCIATION RULES

```
['mocha'] ---> ['salad'] with a confidence of 0.833333333333333333
['juice'] ---> ['salad'] with a confidence of 0.77777777777778
['salad'] ---> ['juice'] with a confidence of 0.7
['pastry'] ---> ['sandwich'] with a confidence of 0.7142857142857143
['latte'] ---> ['sandwich'] with a confidence of 0.75
['pastry'] ---> ['salad'] with a confidence of 0.7142857142857143
['mocha', 'juice'] ---> ['salad'] with a confidence of 0.75
['juice', 'mocha'] ---> ['salad'] with a confidence of 0.75
['mocha', 'sandwich'] ---> ['latte'] with a confidence of 1.0
['mocha', 'latte'] ---> ['sandwich'] with a confidence of 1.0
['sandwich', 'mocha'] ---> ['latte'] with a confidence of 1.0
['latte', 'mocha'] ---> ['sandwich'] with a confidence of 1.0
['juice', 'sandwich'] ---> ['pastry'] with a confidence of 0.8
['juice', 'pastry'] ---> ['sandwich'] with a confidence of 1.0
['sandwich', 'juice'] ---> ['pastry'] with a confidence of 0.8
['sandwich', 'pastry'] ---> ['juice'] with a confidence of 0.8
['pastry', 'juice'] ---> ['sandwich'] with a confidence of 1.0
['pastry', 'sandwich'] ---> ['juice'] with a confidence of 0.8
['juice', 'latte'] ---> ['sandwich'] with a confidence of 1.0
['latte', 'juice'] ---> ['sandwich'] with a confidence of 1.0
['juice', 'sandwich'] ---> ['salad'] with a confidence of 0.8
['sandwich', 'juice'] ---> ['salad'] with a confidence of 0.8
['juice', 'pastry'] ---> ['salad'] with a confidence of 1.0
['pastry', 'juice'] ---> ['salad'] with a confidence of 1.0
['pastry', 'salad'] ---> ['juice'] with a confidence of 0.8
['salad', 'pastry'] ---> ['juice'] with a confidence of 0.8
['sandwich', 'tea'] ---> ['latte'] with a confidence of 1.0
['tea', 'sandwich'] ---> ['latte'] with a confidence of 1.0
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['tea', 'latte'] ---> ['sandwich'] with a confidence of 0.8
['latte', 'tea'] ---> ['sandwich'] with a confidence of 0.8
['pastry', 'latte'] ---> ['sandwich'] with a confidence of 0.75
['latte', 'pastry'] ---> ['sandwich'] with a confidence of 0.75
['sandwich', 'pastry'] ---> ['salad'] with a confidence of 1.0
['pastry'] ---> ['sandwich', 'salad'] with a confidence of 0.7142857142857143
['pastry', 'sandwich'] ---> ['salad'] with a confidence of 1.0
['pastry'] ---> ['salad', 'sandwich'] with a confidence of 0.7142857142857143
['pastry', 'salad'] ---> ['sandwich'] with a confidence of 1.0
['salad', 'pastry'] ---> ['sandwich'] with a confidence of 1.0
['latte', 'salad'] ---> ['sandwich'] with a confidence of 1.0
['salad', 'latte'] ---> ['sandwich'] with a confidence of 1.0
['pastry', 'latte'] ---> ['salad'] with a confidence of 0.75
['latte', 'pastry'] ---> ['salad'] with a confidence of 0.75
['latte', 'salad'] ---> ['pastry'] with a confidence of 1.0
['salad', 'latte'] ---> ['pastry'] with a confidence of 1.0
['juice', 'sandwich'] ---> ['pastry', 'salad'] with a confidence of 0.8
['juice', 'sandwich', 'pastry'] ---> ['salad'] with a confidence of 1.0
['juice', 'sandwich'] ---> ['salad', 'pastry'] with a confidence of 0.8
['juice', 'sandwich', 'salad'] ---> ['pastry'] with a confidence of 1.0
['juice', 'pastry'] ---> ['sandwich', 'salad'] with a confidence of 1.0
['juice', 'pastry', 'sandwich'] ---> ['salad'] with a confidence of 1.0
['juice', 'pastry'] ---> ['salad', 'sandwich'] with a confidence of 1.0
['juice', 'pastry', 'salad'] ---> ['sandwich'] with a confidence of 1.0
['juice', 'salad', 'sandwich'] ---> ['pastry'] with a confidence of 1.0
['juice', 'salad', 'pastry'] ---> ['sandwich'] with a confidence of 1.0
['sandwich', 'juice'] ---> ['pastry', 'salad'] with a confidence of 0.8
['sandwich', 'juice', 'pastry'] ---> ['salad'] with a confidence of 1.0
['sandwich', 'juice'] ---> ['salad', 'pastry'] with a confidence of 0.8
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```
['sandwich', 'juice', 'salad'] ---> ['pastry'] with a confidence of 1.0
['sandwich', 'pastry'] ---> ['juice', 'salad'] with a confidence of 0.8
['sandwich', 'pastry', 'juice'] ---> ['salad'] with a confidence of 1.0
['sandwich', 'pastry'] ---> ['salad', 'juice'] with a confidence of 0.8
['sandwich', 'pastry', 'salad'] ---> ['juice'] with a confidence of 0.8
['sandwich', 'salad', 'juice'] ---> ['pastry'] with a confidence of 1.0
['sandwich', 'salad', 'pastry'] ---> ['juice'] with a confidence of 0.8
['pastry', 'juice'] ---> ['sandwich', 'salad'] with a confidence of 1.0
['pastry', 'juice', 'sandwich'] ---> ['salad'] with a confidence of 1.0
['pastry', 'juice'] ---> ['salad', 'sandwich'] with a confidence of 1.0
['pastry', 'juice', 'salad'] ---> ['sandwich'] with a confidence of 1.0
['pastry', 'sandwich'] ---> ['juice', 'salad'] with a confidence of 0.8
['pastry', 'sandwich', 'juice'] ---> ['salad'] with a confidence of 1.0
['pastry', 'sandwich'] ---> ['salad', 'juice'] with a confidence of 0.8
['pastry', 'sandwich', 'salad'] ---> ['juice'] with a confidence of 0.8
['pastry', 'salad'] ---> ['juice', 'sandwich'] with a confidence of 0.8
['pastry', 'salad', 'juice'] ---> ['sandwich'] with a confidence of 1.0
['pastry', 'salad'] ---> ['sandwich', 'juice'] with a confidence of 0.8
['pastry', 'salad', 'sandwich'] ---> ['juice'] with a confidence of 0.8
['salad', 'juice', 'sandwich'] ---> ['pastry'] with a confidence of 1.0
['salad', 'juice', 'pastry'] ---> ['sandwich'] with a confidence of 1.0
['salad', 'sandwich', 'juice'] ---> ['pastry'] with a confidence of 1.0
['salad', 'sandwich', 'pastry'] ---> ['juice'] with a confidence of 0.8
['salad', 'pastry'] ---> ['juice', 'sandwich'] with a confidence of 0.8
['salad', 'pastry', 'juice'] ---> ['sandwich'] with a confidence of 1.0
['salad', 'pastry'] ---> ['sandwich', 'juice'] with a confidence of 0.8
['salad', 'pastry', 'sandwich'] ---> ['juice'] with a confidence of 0.8
['sandwich', 'pastry', 'latte'] ---> ['salad'] with a confidence of 1.0
['sandwich', 'latte', 'pastry'] ---> ['salad'] with a confidence of 1.0
['sandwich', 'latte', 'salad'] ---> ['pastry'] with a confidence of 1.0
['sandwich', 'salad', 'latte'] ---> ['pastry'] with a confidence of 1.0
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```
['pastry', 'sandwich', 'latte'] ---> ['salad'] with a confidence of 1.0
['pastry', 'latte'] ---> ['sandwich', 'salad'] with a confidence of 0.75
['pastry', 'latte', 'sandwich'] ---> ['salad'] with a confidence of 1.0
['pastry', 'latte'] ---> ['salad', 'sandwich'] with a confidence of 0.75
['pastry', 'latte', 'salad'] ---> ['sandwich'] with a confidence of 1.0
['pastry', 'salad', 'latte'] ---> ['sandwich'] with a confidence of 1.0
['latte', 'sandwich', 'pastry'] ---> ['salad'] with a confidence of 1.0
['latte', 'sandwich', 'salad'] ---> ['pastry'] with a confidence of 1.0
['latte', 'pastry'] ---> ['sandwich', 'salad'] with a confidence of 0.75
['latte', 'pastry', 'sandwich'] ---> ['salad'] with a confidence of 1.0
['latte', 'pastry'] ---> ['salad', 'sandwich'] with a confidence of 0.75
['latte', 'pastry', 'salad'] ---> ['sandwich'] with a confidence of 1.0
['latte', 'salad'] ---> ['sandwich', 'pastry'] with a confidence of 1.0
['latte', 'salad', 'sandwich'] ---> ['pastry'] with a confidence of 1.0
['latte', 'salad'] ---> ['pastry', 'sandwich'] with a confidence of 1.0
['latte', 'salad', 'pastry'] ---> ['sandwich'] with a confidence of 1.0
['salad', 'sandwich', 'latte'] ---> ['pastry'] with a confidence of 1.0
['salad', 'pastry', 'latte'] ---> ['sandwich'] with a confidence of 1.0
['salad', 'latte'] ---> ['sandwich', 'pastry'] with a confidence of 1.0
['salad', 'latte', 'sandwich'] ---> ['pastry'] with a confidence of 1.0
['salad', 'latte'] ---> ['pastry', 'sandwich'] with a confidence of 1.0
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['salad', 'latte', 'pastry'] ---> ['sandwich'] with a confidence of 1.0