

DMG ASSIGNMENT 3 REPORT

MINDIV =0.33 MINSUP = 0.6

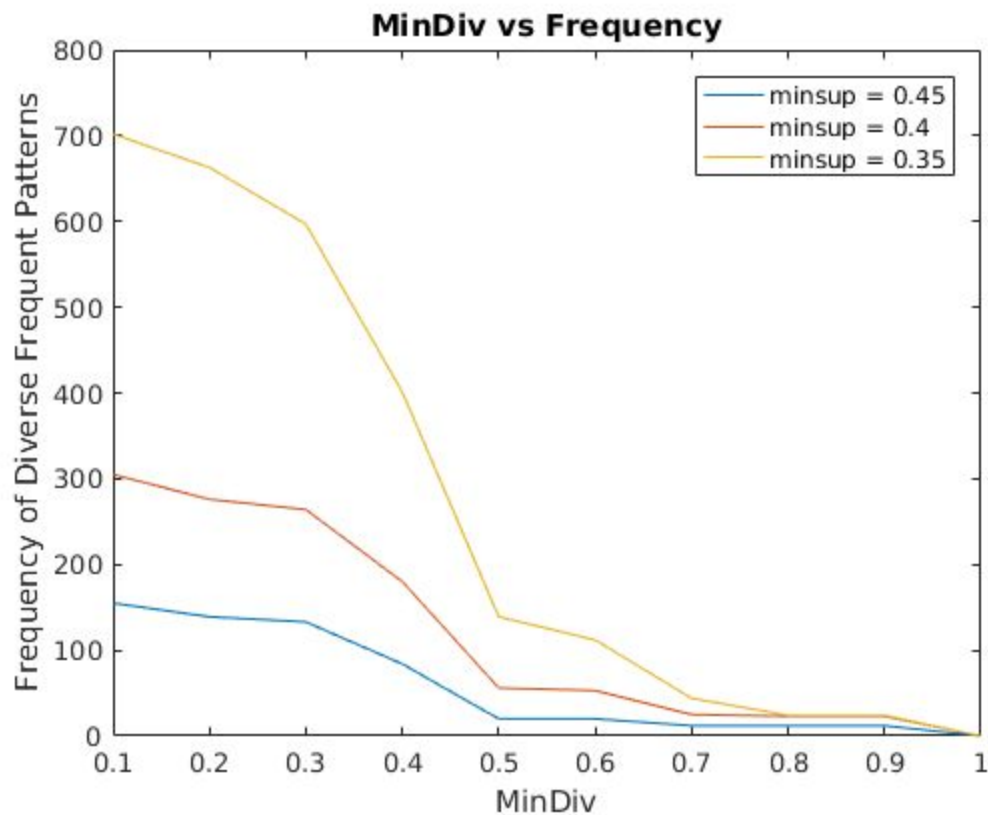
FREQUENT

No	Pattern	SUP
1	85	8124
2	86	7924
3	85 86	7924
4	34	7914
5	34 85	7914
6	34 85 86	7906
7	34 86	7906
8	85 90	7488
9	34 85 90	7296
10	34 85 86 90	7288

DIVERSE FREQUENT PATTERN

No	Pattern	SUP	DIV RANK
1	34 36	6602	1
2	86 90	7288	1
3	85 90	7488	1
4	34 36 86 90	6272	0.6666666
5	34 36 85 90	6272	0.666666
6	34 36 85 86 90	6272	0.4166666

7	39 85 90	4976	0.5
8	36 86 90	6272	0.5
9	34 36 86	6602	0.5
10	34 36 85	6602	0.5



So we observe that with increasing min sup, the frequency of diverse frequent patterns decreases.

SCREENSHOT

The screenshot shows an IDE with two windows. The left window, titled 'Assign - [C:/Users/Kunal Saini/Desktop/dmg_DiverseRankFIS/Assign] - [Assign] - ...src\com\dmg\ass3\DemoClass', displays the source code of the 'DemoClass' file. The code consists of a list of 53 items, each with a line number, a set of three numbers, a '#SUP' value, a '#DivRank' value, and a floating-point number. The right window, titled 'C:\Users\Kunal Saini\Desktop\dmg\ass3\FreqItemSets.txt', displays the contents of the 'FreqItemSets.txt' file. The file contains a list of 34 items, each with a line number, a set of three numbers, and a '#SUP' value. The IDE's status bar at the bottom indicates 'Compilation completed successfully in 2s 844ms (2 minutes ago)'.

```
76 86 90 #SUP: 3896 #DivRank :1.0
76 85 86 90 #SUP: 3896 #DivRank :0.6666667
76 85 90 #SUP: 3896 #DivRank :1.0
34 76 86 90 #SUP: 3896 #DivRank :0.6666666
34 76 85 90 #SUP: 3896 #DivRank :0.6666666
76 86 #SUP: 4384 #DivRank :1.0
76 85 #SUP: 4384 #DivRank :1.0
59 67 #SUP: 3304 #DivRank :1.0
24 36 #SUP: 3540 #DivRank :1.0
24 34 36 #SUP: 3330 #DivRank :1.0
24 34 36 86 #SUP: 3330 #DivRank :0.6666666
24 34 36 85 #SUP: 3330 #DivRank :0.6666666
24 36 86 90 #SUP: 3296 #DivRank :0.6666666
24 34 36 90 #SUP: 3296 #DivRank :0.6666666
24 34 36 86 90 #SUP: 3296 #DivRank :0.75
24 34 36 85 90 #SUP: 3296 #DivRank :0.75
24 36 85 90 #SUP: 3488 #DivRank :0.6666666
24 34 86 90 #SUP: 4208 #DivRank :0.6666666
24 34 85 90 #SUP: 4216 #DivRank :0.6666666
24 34 #SUP: 4538 #DivRank :1.0
59 63 #SUP: 4156 #DivRank :1.0
34 36 59 63 #SUP: 3488 #DivRank :0.6666666
59 63 86 90 #SUP: 3596 #DivRank :0.6666666
59 63 85 90 #SUP: 3788 #DivRank :0.6666666
34 36 86 90 #SUP: 6272 #DivRank :0.6666666
34 36 85 90 #SUP: 6272 #DivRank :0.6666666
34 36 #SUP: 6602 #DivRank :1.0
86 90 #SUP: 7288 #DivRank :1.0
85 90 #SUP: 7488 #DivRank :1.0
COUNT: 53

Process finished with exit code 0
```

```
1 23 #SUP: 3376
2 23 36 #SUP: 3272
3 23 36 86 #SUP: 3272
4 23 36 85 86 #SUP: 3272
5 23 36 85 #SUP: 3272
6 23 34 36 #SUP: 3272
7 23 34 36 86 #SUP: 3272
8 23 34 36 85 86 #SUP: 3272
9 23 34 36 85 #SUP: 3272
10 23 86 #SUP: 3376
11 23 85 86 #SUP: 3376
12 23 85 #SUP: 3376
13 23 34 #SUP: 3376
14 23 34 86 #SUP: 3376
15 23 34 85 86 #SUP: 3376
16 23 34 85 #SUP: 3376
17 52 #SUP: 3516
18 34 52 #SUP: 3306
19 34 52 86 #SUP: 3298
20 34 52 85 86 #SUP: 3298
21 34 52 85 #SUP: 3306
22 52 86 #SUP: 3316
23 52 85 86 #SUP: 3316
24 52 85 #SUP: 3516
25 28 #SUP: 3528
26 28 39 #SUP: 3288
27 28 39 85 #SUP: 3288
28 28 86 #SUP: 3328
29 28 85 86 #SUP: 3328
30 28 34 #SUP: 3336
31 28 34 86 #SUP: 3328
32 28 34 85 86 #SUP: 3328
33 28 34 85 #SUP: 3336
```