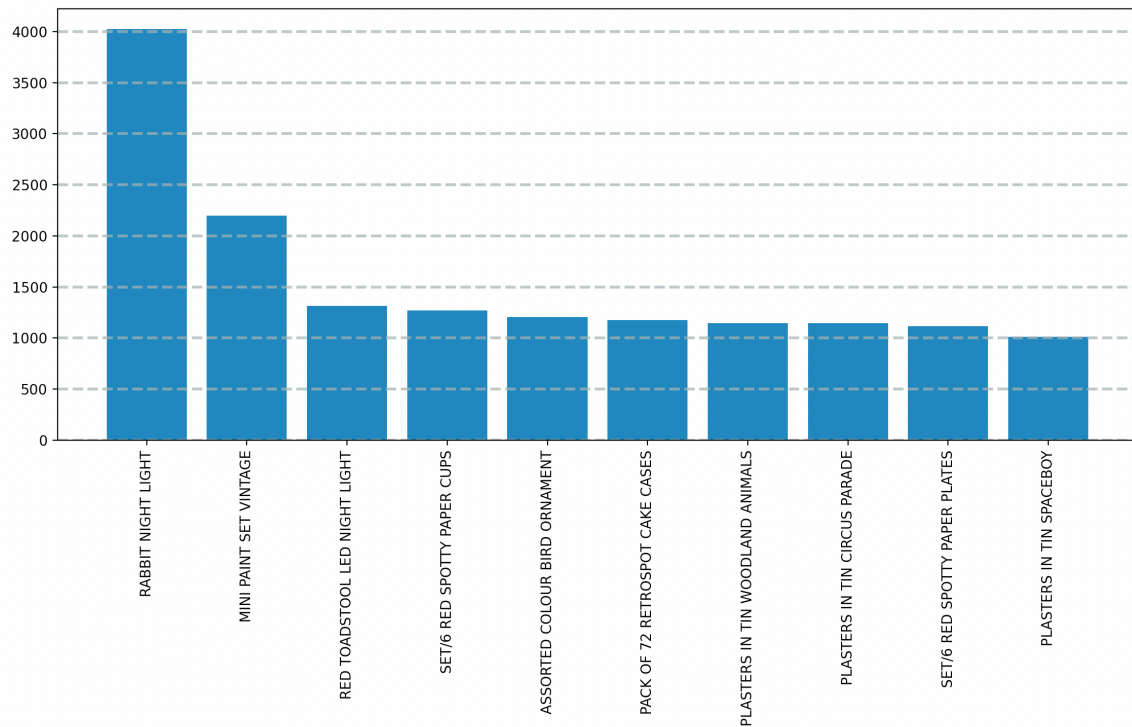# Raport laboratorium nr 7

Zadanie nr 1


```
Rules with min_support == 5%:
                              antecedents  ...  conviction
0                 (ALARM CLOCK BAKELIKE PINK)  ...    3.283859
1                (ALARM CLOCK BAKELIKE GREEN)  ...    3.791383
2                  (ALARM CLOCK BAKELIKE RED)  ...    5.568878
3                (ALARM CLOCK BAKELIKE GREEN)  ...    4.916181
4                  (ALARM CLOCK BAKELIKE RED)  ...    4.153061
..                                        ...  ...         ...
81   (SET/6 RED SPOTTY PAPER CUPS, SET/6 RED SPOTTY...  ...    4.625850
82   (SET/20 RED RETROSPOT PAPER NAPKINS, SET/6 RED...  ...   34.897959
83            (SET/6 RED SPOTTY PAPER PLATES)  ...    4.081633
84        (SET/20 RED RETROSPOT PAPER NAPKINS)  ...    3.510204
85              (SET/6 RED SPOTTY PAPER CUPS)  ...    3.232653

[86 rows x 9 columns]
```

```
Rules with min_confidence == 60%:
                                     antecedents  ... conviction
0                     (ALARM CLOCK BAKELIKE PINK)  ...   3.283859
1                    (ALARM CLOCK BAKELIKE GREEN)  ...   3.791383
2                      (ALARM CLOCK BAKELIKE RED)  ...   5.568878
3                    (ALARM CLOCK BAKELIKE GREEN)  ...   4.916181
4                      (ALARM CLOCK BAKELIKE RED)  ...   4.153061
5                     (ALARM CLOCK BAKELIKE PINK)  ...   3.293135
8                   (CHILDRENS CUTLERY DOLLY GIRL)  ...   8.690476
9                   (CHILDRENS CUTLERY SPACEBOY)  ...  12.535714
10                        (DOLLY GIRL LUNCH BOX)  ...   3.102273
19                   (LUNCH BAG DOLLY GIRL DESIGN)  ...   2.234105
38                    (PACK OF 6 SKULL PAPER CUPS)  ...   4.719388
39                  (PACK OF 6 SKULL PAPER PLATES)  ...  10.298469
41                     (PLASTERS IN TIN SPACEBOY)  ...   2.363588
43                    (PLASTERS IN TIN STRONGMAN)  ...   2.956916
44                (PLASTERS IN TIN CIRCUS PARADE)  ...   2.104592
52                     (PLASTERS IN TIN SPACEBOY)  ...   3.443878
53             (PLASTERS IN TIN WOODLAND ANIMALS)  ...   2.221939
62          (SET/20 RED RETROSPOT PAPER NAPKINS)  ...   3.736395
63                  (SET/6 RED SPOTTY PAPER CUPS)  ...   3.345481
64          (SET/20 RED RETROSPOT PAPER NAPKINS)  ...   3.780612
65                (SET/6 RED SPOTTY PAPER PLATES)  ...   4.336735
66                (SET/6 RED SPOTTY PAPER PLATES)  ...  21.556122
67                  (SET/6 RED SPOTTY PAPER CUPS)  ...   7.852041
68   (ALARM CLOCK BAKELIKE RED, ALARM CLOCK BAKELIK...  ...   6.547194
69   (ALARM CLOCK BAKELIKE RED, ALARM CLOCK BAKELIK...  ...   4.639456
70   (ALARM CLOCK BAKELIKE PINK, ALARM CLOCK BAKELI...  ...   6.565689
71                     (ALARM CLOCK BAKELIKE RED)  ...   2.855230
72                    (ALARM CLOCK BAKELIKE PINK)  ...   2.455782
73                   (ALARM CLOCK BAKELIKE GREEN)  ...   2.706829
74   (PLASTERS IN TIN CIRCUS PARADE, PLASTERS IN TI...  ...   3.627232
75   (PLASTERS IN TIN CIRCUS PARADE, PLASTERS IN TI...  ...   2.653061
76   (PLASTERS IN TIN SPACEBOY, PLASTERS IN TIN WOO...  ...   2.435496
80   (SET/20 RED RETROSPOT PAPER NAPKINS, SET/6 RED...  ...  34.489796
81   (SET/6 RED SPOTTY PAPER CUPS, SET/6 RED SPOTTY...  ...   4.625850
82   (SET/20 RED RETROSPOT PAPER NAPKINS, SET/6 RED...  ...  34.897959
83                (SET/6 RED SPOTTY PAPER PLATES)  ...   4.081633
84          (SET/20 RED RETROSPOT PAPER NAPKINS)  ...   3.510204
85                  (SET/6 RED SPOTTY PAPER CUPS)  ...   3.232653

[38 rows x 9 columns]
```

```
Get rules that contains 'ALARM CLOCK BAKELIKE PINK' in either 'antecedents' or 'consequents': )


                            antecedents  ... conviction
0               (ALARM CLOCK BAKELIKE PINK)  ...   3.283859
1              (ALARM CLOCK BAKELIKE GREEN)  ...   3.791383
4                (ALARM CLOCK BAKELIKE RED)  ...   4.153061
5               (ALARM CLOCK BAKELIKE PINK)  ...   3.293135
69  (ALARM CLOCK BAKELIKE RED, ALARM CLOCK BAKELIK...  ...   4.639456
72              (ALARM CLOCK BAKELIKE PINK)  ...   2.455782

[6 rows x 9 columns]


Process finished with exit code 0
```