

Association Rule Mining using Apriori and FP-Growth in Python

Members

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Dataset

Groceries Dataset

Pre-Processing

- Added a header to the dataset CSV file to name the columns from 1-32.
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Results for different Support and Confidence

- **Support=0.0045, Confidence=0.1**
Number of frequent 1 item sets: 121
Association rules: 2123

Number of Maximal sets: 1113
Number of Closed sets: 1192

Number of redundant rules: 0
 - **Support=0.05, Confidence=0.25**
Number of frequent 1 item sets: 28
Association rules: 4

Number of Maximal sets: 27
Number of Closed sets: 31

Number of redundant rules: 0
 - **Support=0.05, Confidence=0.05**
Number of frequent 1 item sets: 28
Association rules: 6

Number of Maximal sets: 27
Number of Closed sets: 31

Number of redundant rules: 0
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