

## 1 Research Papers

Some interesting papers for rule mining have been listed below. Two of them are the original papers in which Apriori and FP-Growth algorithms were proposed. The third one is a recent take on frequent itemset mining in the form of a review of the developments in the field in the past 25 years.

1. Apriori: [http://www.rsrikant.com/papers/vldb94\\_rj.pdf](http://www.rsrikant.com/papers/vldb94_rj.pdf)  
Citation: Agrawal, Rakesh, and Ramakrishnan Srikant. "Fast algorithms for mining association rules." In Proc. 20th int. conf. very large data bases, VLDB, vol. 1215, pp. 487-499. 1994.
2. FP Growth: <https://dl.acm.org/doi/pdf/10.1145/335191.335372>  
Citation: Han, Jiawei, Jian Pei, and Yiwen Yin. "Mining frequent patterns without candidate generation." ACM sigmod record 29, no. 2 (2000): 1-12.
3. Frequent Itemset Mining Review:  
<http://philippe-fournier-viger.com/25yearsFIM.pdf>

## 2 Links to help you with code

1. Apriori:
  - A detailed tutorial (along with code) on how to run association analysis for a large dataset using Python generators:

<https://www.kaggle.com/datatheque/association-rules-mining-market-basket-analysis>

- A notebook with exploratory data analysis and apriori on Black Friday shopping data:  
<https://www.kaggle.com/dabate/black-friday-examined-eda-apriori>
- Github repository containing easy-to-follow simple code from scratch:  
<https://github.com/asaini/Apriori/>

## 2. FP Growth:

- A Github repo with complete code for implementing FP growth from scratch:  
<https://github.com/calee0219/Python3-Fp-growth>