



Data Mining 資料探勘

Project 1

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Association Analysis

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- Dataset1: Select from kaggle.com / UCI
- Dataset2: Use IBM Quest Synthetic Data Generator
 - ▣ <https://sourceforge.net/projects/ibmquestdatagen/>
 - ▣ Generate different datasets
- Frequent itemsets mining
 - ▣ Implement Apriori Algorithm and apply on these datasets
 - Hash? Tree? (optional)
 - FP-growth (the main part of this homework)
- Generate association rules
- Testing data release soon
- Compare & discuss your results

- Due: 10/17 9am

Find and answer

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- What are rules with
 - ▣ High support, high confidence ?
 - ▣ High support, low confidence ?
 - ▣ Low support, low confidence ?
 - ▣ Low support, high confidence ?