

# Data Mining

## ( 資料探勘 )

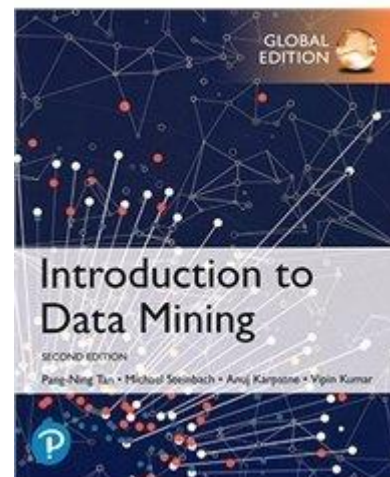
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### Textbook:

- Introduction to Data Mining, 2nd ed. (Global Edition)  
By Pang-Ning Tan, Michael Steinbach,  
Anuj Karpatne, Vipin Kumar

Schedule: Thursday 7~9, 14:20~15:30, 15:40~17:00  
(14:20~15:10, 15:30~16:20, 16:30~17:20)  
@ TR-412-2

Office hours: TBA



### Topics in this course:

This course presents fundamental concepts and algorithms for those learning data mining for the first time. Topics including frequent pattern, association rule, classification, and clustering will be introduced.

- Chapter 1: Introduction
- Chapter 2: Data\*
- Chapter 3: **Classification**: Basic Concepts and Techniques
- Chapter 4: **Association Analysis**: Basic Concepts and Algorithms
- Chapter 5: **Cluster Analysis**: Basic Concepts and Algorithms
- Chapter 6: **Classification**: Alternative Techniques
- Chapter 7: **Association Analysis**: Advanced Concepts
- Chapter 8: **Cluster Analysis**: Additional Issues and Algorithms

### Grading:

- Exams: 50%
- Project + Homework + Participation: 50%

### Instructor:

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### TA:

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