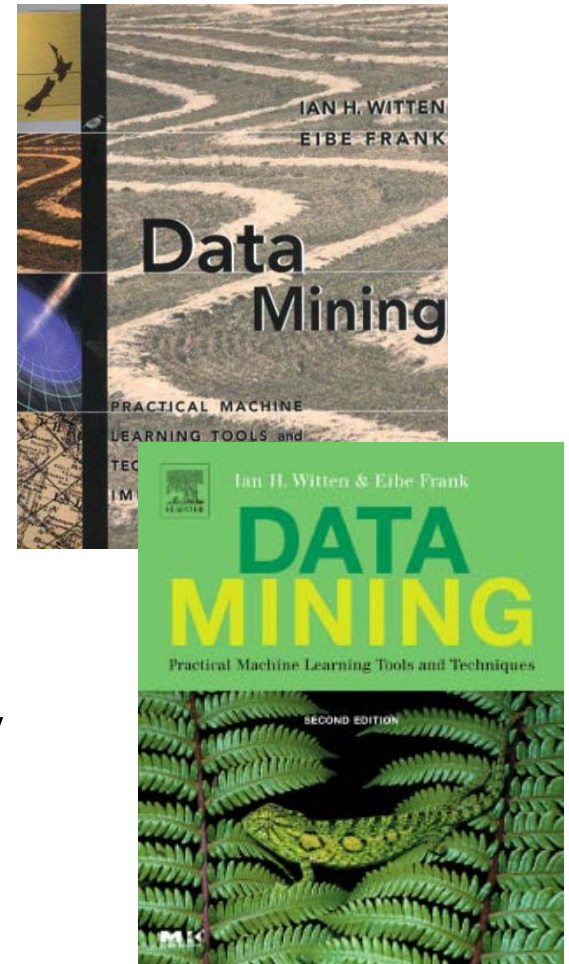# Machine Learning
Chapter 0. Orientation

Machine Learning

- Instructor: T. Murata (room E503, West8 building, murata @ cs.titech.ac.jp)

- Contents: practical data mining methods

- Score：assignments

- URL: www.ai.cs.titech.ac.jp/lecture/ml

- Caution: Some classes are not on Mondays

Textbook

- Data Mining -- Practical Machine Learning Tools and Techniques with Java Implementations (Second Edition), Witten and Frank, Morgan Kaufmann
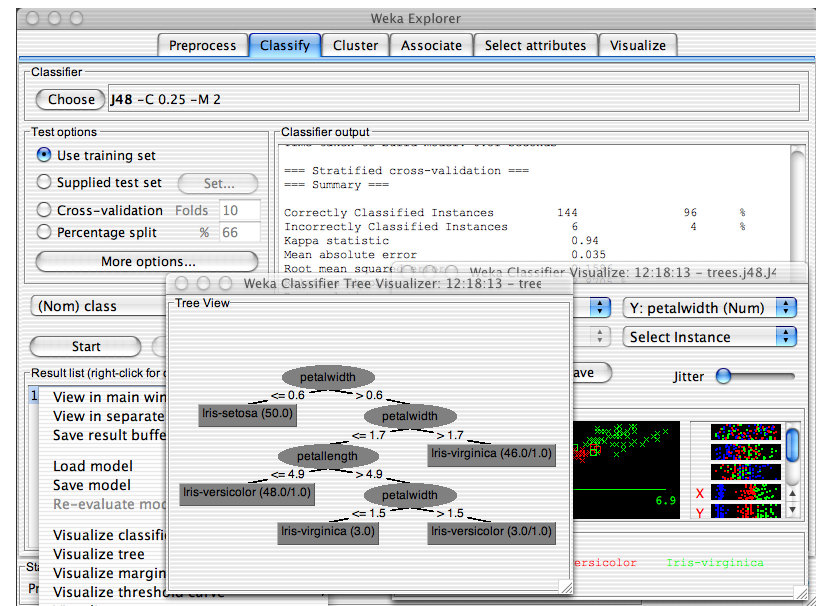
- http://www.cs.waikato.ac.nz/~ml/

Goal of this lecture

- learning characteristics of basic methods (decision trees, rules, instance-based learning …)

- learning from real-world data (missing data, noise, …)

- mining data by yourself

Weka

- Open-source data mining tool developed by Waikato University, New Zealand (Waikato Environment for Knowledge Analysis)

- Java-based implementation

- GUI for interactive data mining

- http://www.cs.waikato.ac.nz/~ml/

Example

Q & A about this lecture

- Language
  - lecture: English
  - assignment : English
- Undergraduate students
  - welcome
  - same evaluation criteria as graduate students