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 and tests
- URL: www.ai.cs.titech.ac.jp/lecture/ml
- Caution: Some classes are not on Mondays
  - Oct. 21(Thu), 2010

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/

- Third Edition will be available soon (next February)

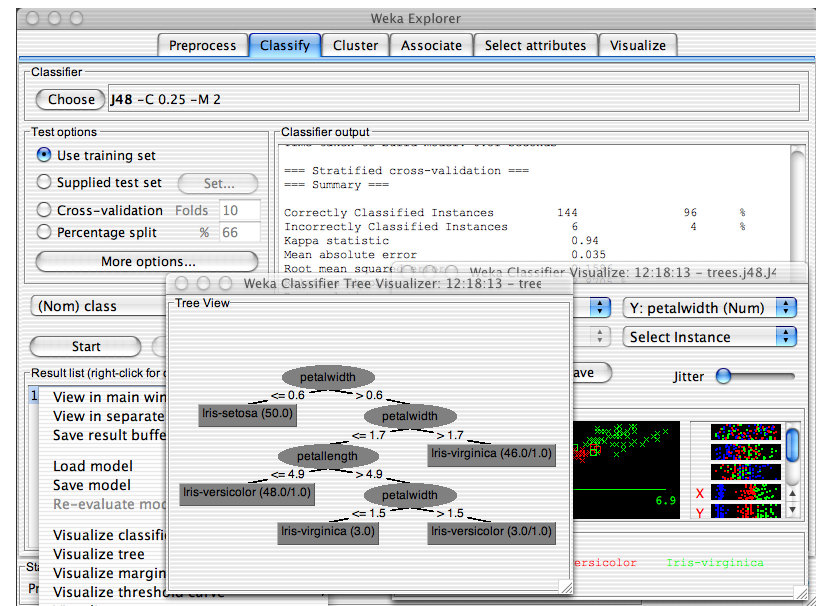# Goal of this course

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

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

- mining data by yourself with Weka

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/

Examples

About this course

- All lectures are in English. I will not accept assignments written in Japanese.

- Non-CS students, undergraduate students, YSEP students and TMDU students are also welcome.
  - same evaluation criteria as CS graduate students

- Copying the assignments of other students is prohibited.
  - "similar" assignments will be rejected