

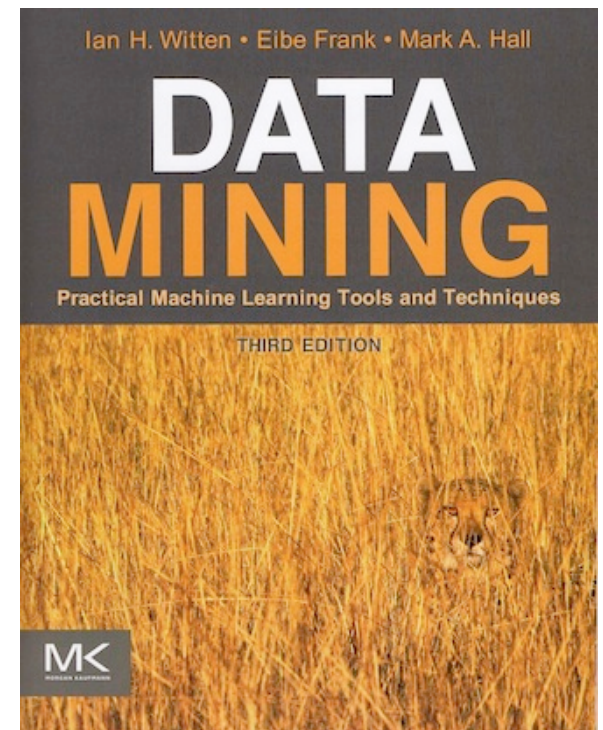
Toolkit Presentation

Weka

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About Weka

- Open source, Java machine-learning library
- from the University of Waikato in New Zealand
- **Cite:** Mark Hall, Eibe Frank, Geoffrey Holmes, Bernhard Pfahringer, Peter Reutemann, Ian H. Witten (2009); The WEKA Data Mining Software: An Update; SIGKDD Explorations, Volume 11, Issue 1.
- **Download now:**
<http://www.cs.waikato.ac.nz/ml/weka/downloading.html>
- textbook



Weka's Features

- supervised learning (classification and regression)
- unsupervised learning
- feature selection and data filtering
- ensembles
- highly capable GUI with visualization
- importing data from .csv, databases, .arff
- no reinforcement learning

Demo with UCI dataset

Adult – using Census data, predict whether a person's gross income is >\$50k.

Weka with Java code

Official instructions:

<http://weka.wikispaces.com/Use+WEKA+in+your+Java+code>

Weka API:

<http://weka.sourceforge.net/doc.dev/index.html?overview-summary.html>