

More Data Mining with Weka

Department of Computer Science
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weka.waikato.ac.nz

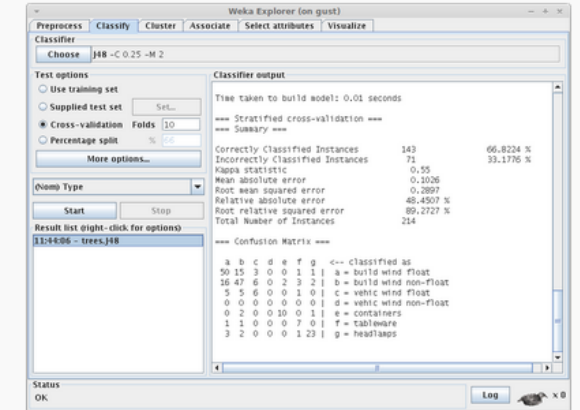
What is the course about?

- Data Mining
 - Using **your** data to make predictions
- *Weka*
 - Open source software tool
 - Developed at *The University of Waikato*
- Sequel to “*Data mining with Weka*”

More Data Mining with Weka

This course follows on from [Data Mining with Weka](#) and provides a deeper account of data mining tools and techniques. Again the emphasis is on principles and practical data mining using Weka, rather than mathematical theory or advanced details of particular algorithms. Students will work with multimillion-instance datasets, classify text, experiment with clustering, association rules, neural networks, and much more.

The 5-week course will begin in late April 2014, with enrolments opening in early March. Students should have completed [Data Mining with Weka](#) (which will precede it), or have equivalent knowledge of the subject.

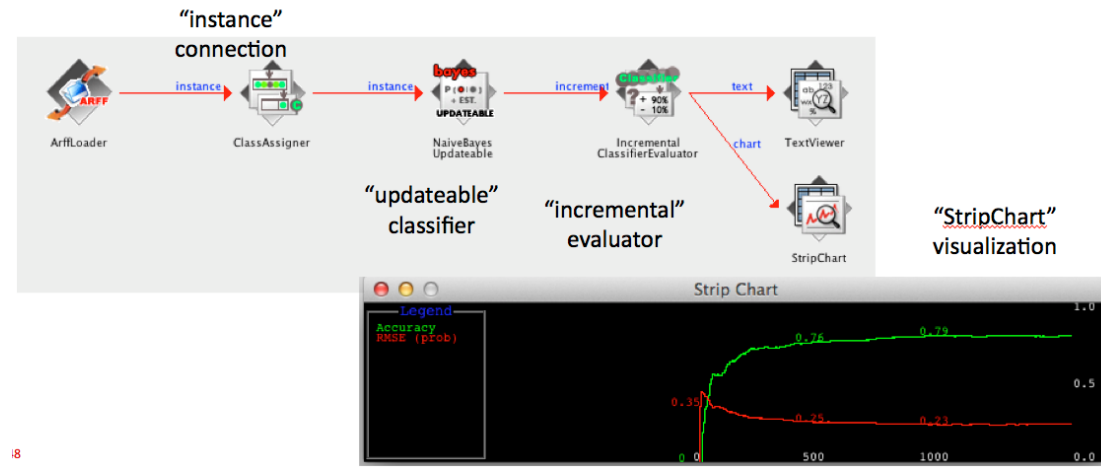


What's in the course?

- Video lessons
 - Captions & slides
- Readings from *Data Mining* book
- Practical activities with *Weka*
- Assessment
 - Mid-term + final test → Statement of Completion

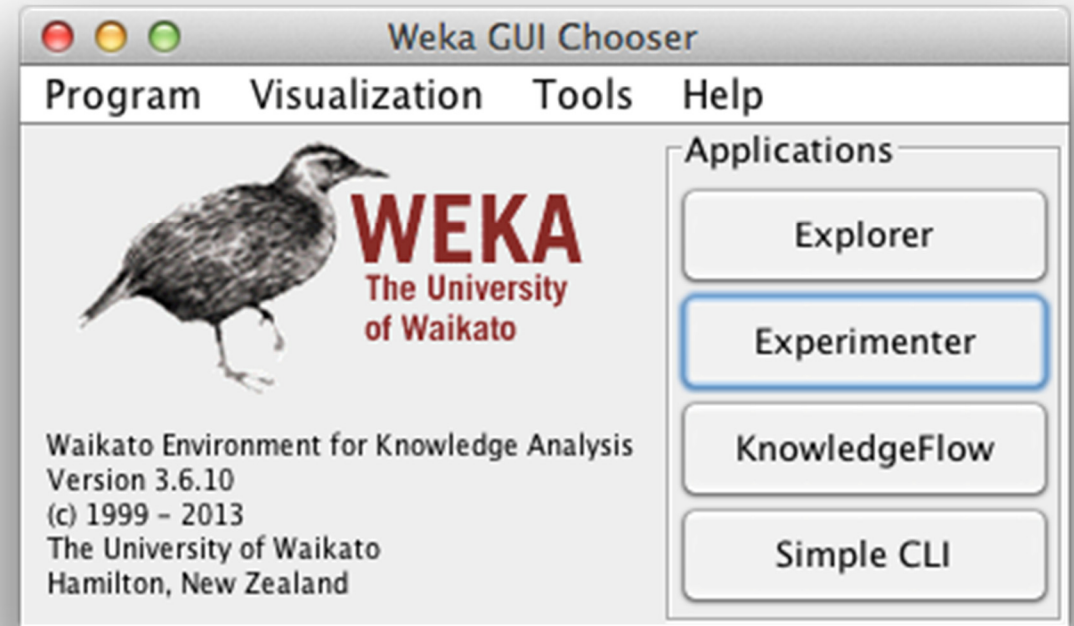
Lesson 1.4: The Knowledge Flow interface

Working with stream data



What will I learn?

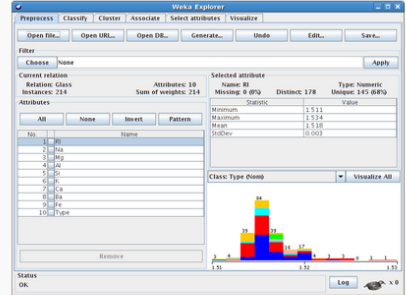
- Topics suggested by students in the introductory course
 - Weka's other interfaces
 - Conducting experiments
 - Big data: millions of instances; datasets of *any* size
 - Text mining
 - Clustering, association rule mining, neural networks, attribute selection, discretization, cost models ...



What will I need?

- Prerequisite: *Data Mining with Weka*
 - or equivalent knowledge (no need for certificate)
- Google account
- Computer to install *Weka*
- 4-6 hours/week for 5 weeks
 - Activities are more demanding than previous MOOC
- High school mathematics; no programming experience needed

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The screenshot shows the Weka Explorer application window. The title bar reads 'Weka Explorer'. The menu bar includes 'Progress', 'Classify', 'Cluster', 'Associate', 'Select attributes', and 'Visualize'. The main window displays a data set with 10 attributes and 214 instances. A table shows the distribution of the 'Class' attribute, with a bar chart below it. The table has columns for 'Name', 'Instances', and 'Percentage'. The bar chart shows the distribution of the 'Class' attribute, with a legend indicating 'Class: Type class' and 'Visualize All'.

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Te Whare Wānanga o Waikato

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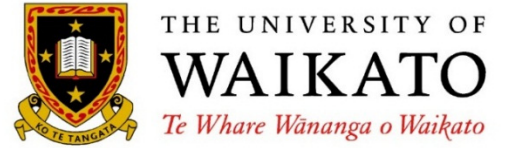
Welcome to the free online course
Data Mining with Weka

This 5 week MOOC will introduce data mining concepts through practical experience with the free [Weka](#) tool.

The course features:

- video lectures by [Professor Ian H. Witten](#) (available on YouTube and YouKu)
- the open-source [Weka](#) data mining platform
- access to chapters from [Data Mining \(3rd Edition\)](#)
- online assessment leading to a completion certificate

[Go to Course](#)



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