



OpenNICTA Open Source Software Information and Video Transcript

Software name: **Elefant**

Software description: Elefant (Efficient Learning, Large-Scale Inference, and Optimisation Toolkit) is an open source library for machine learning. It includes modules for many common optimisation problems arising in machine learning and inference, and is designed to be modular and easy to use. The framework provides an easy to use Python interface for quick prototyping and testing inference algorithms.

Project description: Elefant is developed as part of the Automated Data Analysis Project (ADA). The Automated Data Analysis Project team is developing technology to automatically analyse, interpret and summarise large amounts of data common to domains like biology, medicine and the Internet.

Link to Software: <http://elefant.developer.nicta.com.au/>

Video Transcript

Interview with Christfried Webers

Tell us about yourself and the research you are currently working on

Christfried: Hi, I'm Chrisfried Webers. I'm from NICTA's Canberra Research Laboratory, and I'm working together with my colleague Kishor Gawande on the Elefant Project, which is software implemented on Macintosh, Linux and Windows.

Tell us about your open source software

Christfried: Elefant is a library of algorithms which are used to extract information from large sets of data. We also provide a graphical user interface which allows you to build and set up an experiment, execute the experiment and store the experiment so you can redo it later on.

Why open source?

Christfried: We want as many people and companies to use our research results. For industry to use our research results, we chose the Mozilla open license, which allows you to integrate our algorithms into your commercial proprietary products. We also want many people to contribute to our repository of algorithms, so an open license is the best for us to achieve that.