

Running WinBUGS on Mac OS X using Wine

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October 9, 2007

Summary

These instructions are for installing WinBUGS on Mac OS X 10.4 (Tiger) using a compatibility program for running Windows programs on Unix called Wine. They have been tested on a Mac with an Intel processor. As an overview: install the X11 windowing system, install Darwine (possibly building the disk image from source first, which in turn requires the Xcode development environment), install WinBUGS, activate WinBUGS and update to the latest version.

Instructions

1. Install the Apple implementation of the X11 windowing system from Mac OS X Install Disc 1, available on the disk from > System > Installation > Packages > X11User.pkg.
2. Either,
 - I Download and install a pre-compiled version of Darwine from the web, for example
<http://www.kronenberg.org/darwine/>.
 - Or,
 - II Build the Darwine disk image from source and then install
 - i Install Apple's Xcode development environment, this is available from
<http://developer.apple.com/tools/xcode/>.
 - ii Build Wine for Apple's Darwin Unix system, which is known as Darwine. First of all download the Wine source code from
http://sourceforge.net/project/showfiles.php?group_id=6241&package_id=77449. Extract the archive on the desktop once it has downloaded.
 - iii Open Terminal (under Applications > Utilities) and ensure the Mac is connected to the internet. Then issue the following commands described here
<http://wiki.winehq.org/MacOSX/Building>
replacing the x.x.x with the Wine source code version number.

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$ cvs -z3 -d:pserver:anonymous:@darwin.cvs.sourceforge.net:/cvsroot/darwine co -P distrib
$ cd ~/distrib
$ export VERSION=x.x.x
$ ./create_darwine_distrib.sh $VERSION ~/Desktop/wine-$VERSION

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3. Install Darwine from the disk image (.dmg file).
4. Download the zip archive installation of WinBUGS available from <http://www.mrc-bsu.cam.ac.uk/bugs/winbugs/winbugs14.zip> extract this folder and place it in the Applications folder.
5. You may need to launch WineHelper before WinBUGS the first time you attempt to launch WinBUGS but after this WinBUGS should launch when WinBUGS14.exe is double-clicked.
6. Download and install the WinBUGS key file (available once you have registered through the BUGS website). Then download and install the patch file to version 1.4.3. http://www.mrc-bsu.cam.ac.uk/bugs/winbugs/WinBUGS14_cumulative_patch_No3_06_08_07_RELEASE.txt, or latest.
7. Here's the proof.

