

## **genArise Installation for Mac OS**

You can find here the steps to install genArise over a Mac (the script was tested on a computer running OS X Version 10.4.2 with R 2.1.1, but it should work in any version). We hope you can use this document as a reference to be able to install genArise on your Mac.

To be able to install genArise you should have to be root user and count with an Internet connection (see the appendix at the end of this document to learn how to enable the root account).

### **X11**

First of all you must download X11 for Mac OS X, an implementation of the X Window System that makes it possible to run X11- based applications in Mac OS X, such as xterm . Maybe you have it already installed on your Mac, you can check it following this: Macintosh HD - > Applications - > Utilities - > X11 (if the icon is here you already have X11). If you already have X11 skip this section and go to the section Installing genArise, in other case download it from this URL:

<http://www.apple.com/downloads/macosx/apple/x11formacosx.html>

Once downloaded double click on the dmg file to install the package. You can use the root username and password when you follow the wizard to install X11.

### **Installing genArise**

You only have to download the mac installer script and run it. How? Please follow the next steps.

1.- Download the mac installer from the URL:

<http://www.ifc.unam.mx/genarise/software/genAriseOSX.sh>

check where this file is downloaded.

2.- Open an X11 terminal : (in most cases Macintosh HD - > Applications - > Utilities - > X11), double clicking on the X11 icon.

3.- On the xterm, go to the directory where the file genAriseOSX.sh is located, sometimes your Safari browser download the files on your Desktop, if that is the case please type on the terminal:

```
%cd Desktop/
```

If this is not the case type

```
%cd <PATH WHERE THE FILE IS LOCATED>
```

Check if the file is here typing:

```
%ls
```

and look if the name genAriseOSX.sh appears on the list displayed, if not you must check where the file is and type the right PATH of the file.

You must have logged as root, so please type:

```
%su
```

```
Password: <YOUR ROOT PASSWORD>
```

```
%chmod 755 genAriseMac-installer.sh
```

```
%./genAriseMac-installer.sh
```

At this point the script begins to install all the necessary packages that genArise requires. This may take some minutes.

When the script finish, the time to test genArise has come, so type:

```
%R
```

```
>library(genArise)
```

```
>genArise()
```

and genArise GUI should be running.

## **Appendix.**

### **Enabling the root Account**

#### **sudo Method**

Open up a command shell in the Terminal application with Macintosh HD - > Applications - > Utilities - > Terminal. At the command prompt type this command:

```
% sudo passwd root
```

```
Enter Password:
```

```
Changing password for root
```

```
New password:
```

```
Verify password:
```

The first password you are asked for is the already existing password for the Admin account. After that, enter your new root password (twice for verification).