Installing MareyMap

Clément Rezvoy

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This document describes the steps required to get MareyMap up and running on your system. MareyMap depends on Gnu R and tkrplot. The following sections will guide you through the installation on Microsoft Windows, Mac OS X and Linux.
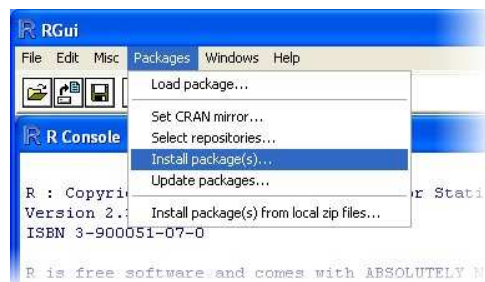
1 Install procedure on Windows

1.1 Gnu R

The latest version of Gnu R can be downloaded from the CRAN [1]. Once installed R can be installed from the windows Start menu.

1.2 tkrplot

tkrplot is a R package that is distributed via the CRAN which means it can be installed using the R package installation system.

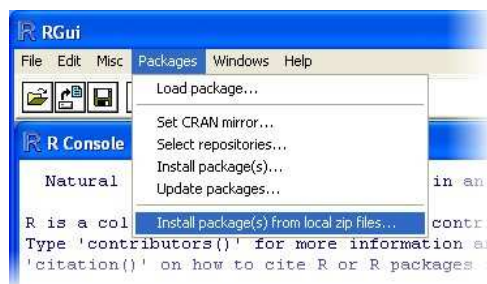1. In R main window, go to `Packages → Install packages(s)...`

2. In the dialog select a location near you and click `OK`.

3. A new dialog appears, scroll down until you reach *tkrplot*, select it and click `OK`.

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[1]Comprehensive R Archive Network: http://cran.univ-lyon1.fr/bin/windows/base/

1.3 MareyMap

MareyMap is not distributed by the CRAN, you will have to download it manually from the pbil[2]. In R main window select `Packages` → `Install package(s) from local zip file(s)dots`

A file selector apprears, select the zip file you have previously downloaded and click on `Open`.

Mareymap is now installed,
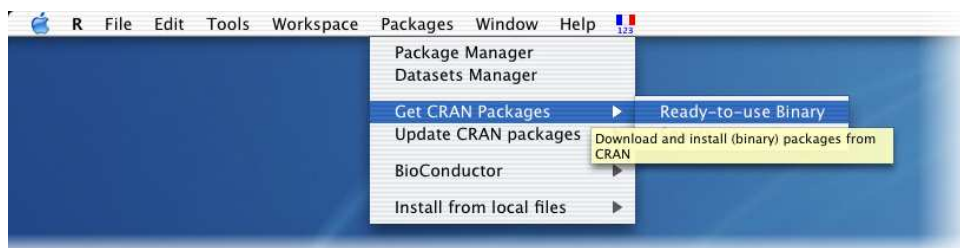
2 Install proceduire on Mac OSX

2.1 Gnu R

The latest version of Gnu R can be downloaded from the CRAN [3].

2.2 tkrplot

tkrplot is a R package that is distributed via the CRAN which means it can be installed using the R package installation system.
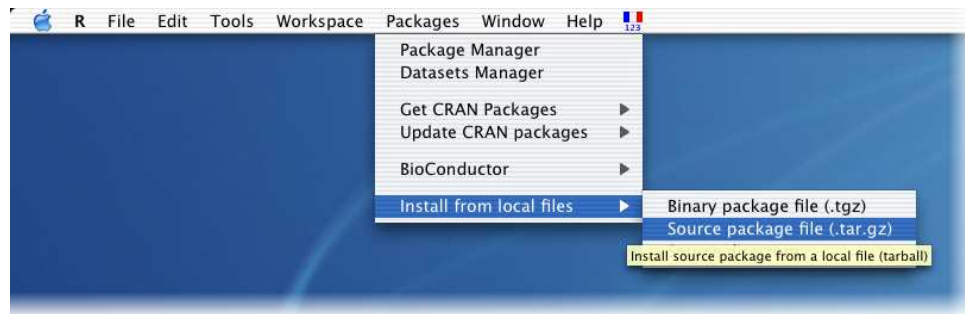
1. In R menu bar, select `Packages` → `Get CRAN Packages` → `Ready-to-use Binary`

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[2]Pole de Bio-Informatique Lyonnais: http://pbil.univ-lyon1.fr/~rezvoy/mareymap
[3]Comprehensive R Archive Network: http://cran.univ-lyon1.fr/bin/macosx/

2. A new window appears, scroll down until you reach *tkrplot*, click on the box in the column `install/update` and close the window.

3. Confirm the installation by clicking `OK` in the dialog.

4. Once tkrplot is installed, download MareyMap from the pbil[4]. In R menu bar select `Packages → Install from local files → Source package file (.tar.gz)`
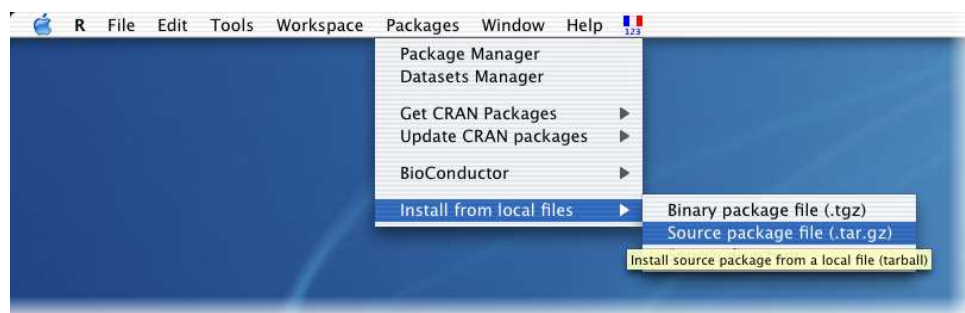

5. A file selector appears, select the tar.gz file you have previously downloaded and click on `Open`.

2.3   MareyMap

MareyMap is not distributed by the CRAN, you will have to download it manually from the pbil[5].

1. In R menu bar select `Packages → Install from local files → Source package file (.tar.gz)`

2. A file selector appears, select the tar.gz file you have previously downloaded and click on `Open`.

Mareymap is now installed,

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[4]Pole de Bio-Informatique Lyonnais: `http://pbil.univ-lyon1.fr/~rezvoy/mareymap`
[5]Pole de Bio-Informatique Lyonnais: `http://pbil.univ-lyon1.fr/~rezvoy/mareymap`

3   Install procedure on linux

On some exotic linux distributions, the installation procedure may reveal itself tedious since you might have to compile some pieces of software by yourself. However, on mainstream distributions (fedora, suse, debian and derivatives *etc*) all the necessary software is already compiled and installation should be only a matter of a few clicks if you are confortable with installing new software on system.

3.1   Gnu R

R has been compiled for several linux distributions and packages are available on the CRAN[6]. In most distributions, these packages are also installable using the distribution's own package management system so R can be installed as any other piece of software, the main package is often called `r-base`. If no precompiled package suits your system you will have to build R from source yourself.

3.2   tkrplot

tkrplot is also made easily available via the package management system in several distributions. Prefer this option if it is available to you. If you have to compile tkrplot you will need a development version of `tcl/tk` and follow this procedure.

1. Start R with install rights.

2. From the R prompt type `install.packages()` and press enter.

3. In the appearing dialog select a location near you and click `OK`.

4. A second window appears, scroll down until you reach *tkrplot* select it and click `OK`.

3.3   MareyMap

1. Download MareyMap by typing `download.file( "`
   `http://pbil.univ-lyon1.fr/řezvoy/mareymap/packages/MareyMap_0.9.tar.gz"`
   `, "/tmp/MareyMap_0.9.tar.gz")`and pressing `enter`.

2. Install the package by typing `install.packages("/tmp/MareyMap_0.9.tar.gz" ,`
   `lib=.libPaths()[[1]] , repos=NULL)` and pressing `enter`.

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[6]Comprehensive R Archive Network: http://cran.univ-lyon1.fr/bin/linux