

Installing CADStat from the CRAN repository

Use the “contact us” link at the top of the CADDIS website if you experience problems installing CADStat

1. Confirm that you have a sufficiently recent version of Java installed on your computer. The current version of CADStat has been tested with Version 8.
 - a) Confirm that you have Java version 1.6 or higher on your computer. You can find directions for how to check your version of Java [here](#).
 - b) If you do not have a recent enough version, download and install Java (<http://www.java.com>). This is a large file and may take some time to download. You may need administrative rights on your computer to install this program.

2. Confirm that you have R version 3.3.1 or higher installed on your computer. If you do not have R installed or if your version is too old, install the latest version as follows.
 - a) Go to <http://www.r-project.org>.
 - b) Click "CRAN" under "Download".
 - c) Select a mirror download site near you (e.g., "Duke University, Durham, NC").
 - d) Select your operating system under "Download and Install R".
 - e) Click "base".
 - f) Click "Download R X.X.X for Windows" and save it to your local disk. (This file may take some time to download.)
 - g) Navigate to the executable file you just downloaded and double-click it to install R. Installation may require administrator privileges.

3. Confirm that you already have RStudio version 1.0.136 or higher installed on your computer. RStudio is a program that makes it easier to work in R.
 - a) Go to <https://www.rstudio.com/products/rstudio/download2/>.
 - b) Under "Installer for Supported Platforms," choose the version for your operating system.
 - c) Install RStudio. Installation may require administrator privileges.
 - d) If you already had RStudio on your computer and downloaded a newer version of R for this because your previous version was before 3.3.1, make sure to point RStudio to the new version of R. To do this, in R-Studio go to Tools → Global Options. In the "R version" box at the top of the window, click on the "Change" button and navigate to the location of your new version of R. Click "Apply" in the Option window (**Error! Reference source not found.**).

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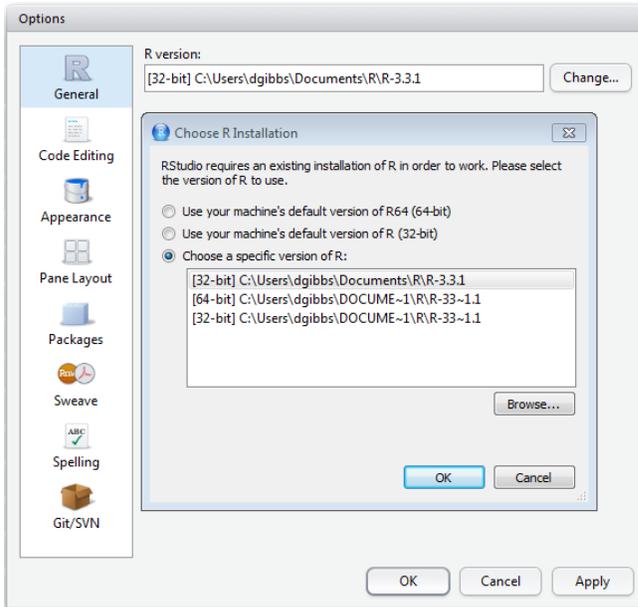


Figure 1- Pointing RStudio to the right version of R.

4. Install JGR and related R libraries (Figure 2).
 - a) Launch RStudio.
 - b) Click on “Tools” → “Install packages”.
 - c) Type “JGR” into the window that appears. A dropdown menu with JGR highlighted should appear. Click on it.
 - d) Make sure to check “Install dependencies”, then click “Install.”

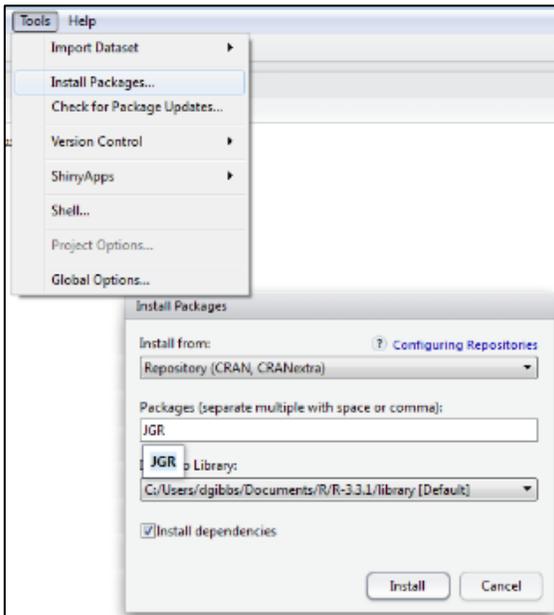


Figure 2- Installing the JGR library.

5. Install CADStat and related libraries (Figure 3).
 - a) Click on “Tools” → “Install packages”.

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- b) Type “CADStat” into the window that appears. A dropdown menu with CADStat highlighted should appear. Click on it.
- c) Make sure to check “Install dependencies”, then click “Install”.

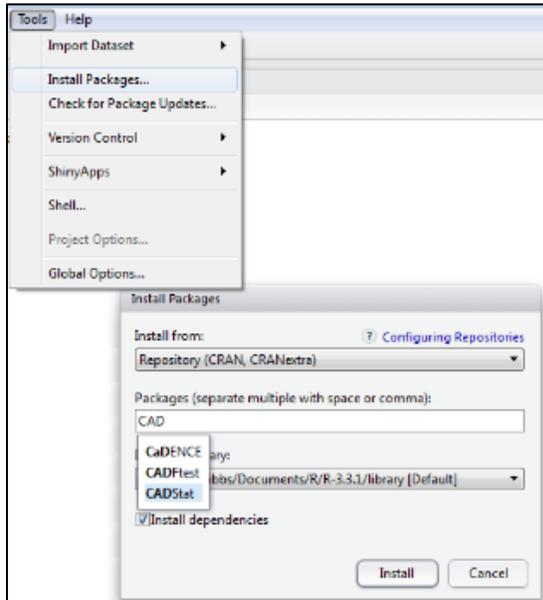


Figure 3- Installing the CADStat library.

- d) Type `library()` into the RStudio console and hit enter. This will bring up a tab showing the path to your R libraries and a list of all the R libraries on your computer. CADStat and JGR should be listed.

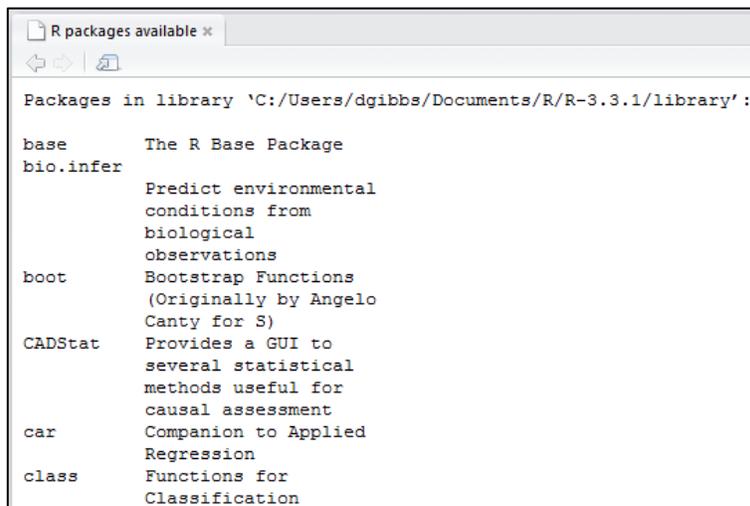


Figure 4- Partial list of installed packages.

- e) Exit and restart RStudio.
- f) To check that the CADStat library was properly installed you can type the following into the command prompt in RStudio: `library(CADStat)`
- g) Your computer may be missing some packages for the above command to work. You will know if more packages are needed after you run `library(CADStat)` and see whether the console produces any error messages.

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8. To re-open CADStat in the future, open RStudio, type `library(JGR)`, then `JGR()` into the console. The JGR window should open with the CADStat menus visible along the top. There may be a delay of a few seconds before the CADStat menus become visible.