# Business Analytics with R

## FAQ

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# Errors in Installing Deducer

**Installing Deducer Using R GUI or R console:**

**For beginners**, Deducer is designed to be an intuitive dialog based interface to common data manipulation and analysis tasks. It requires no initial knowledge of the R programming language. Data can be loaded, edited, and analyzed through graphical user interface (GUI) components without understanding the command functions. Output is sent to the console and custom R functions format the results into easy to read tables.
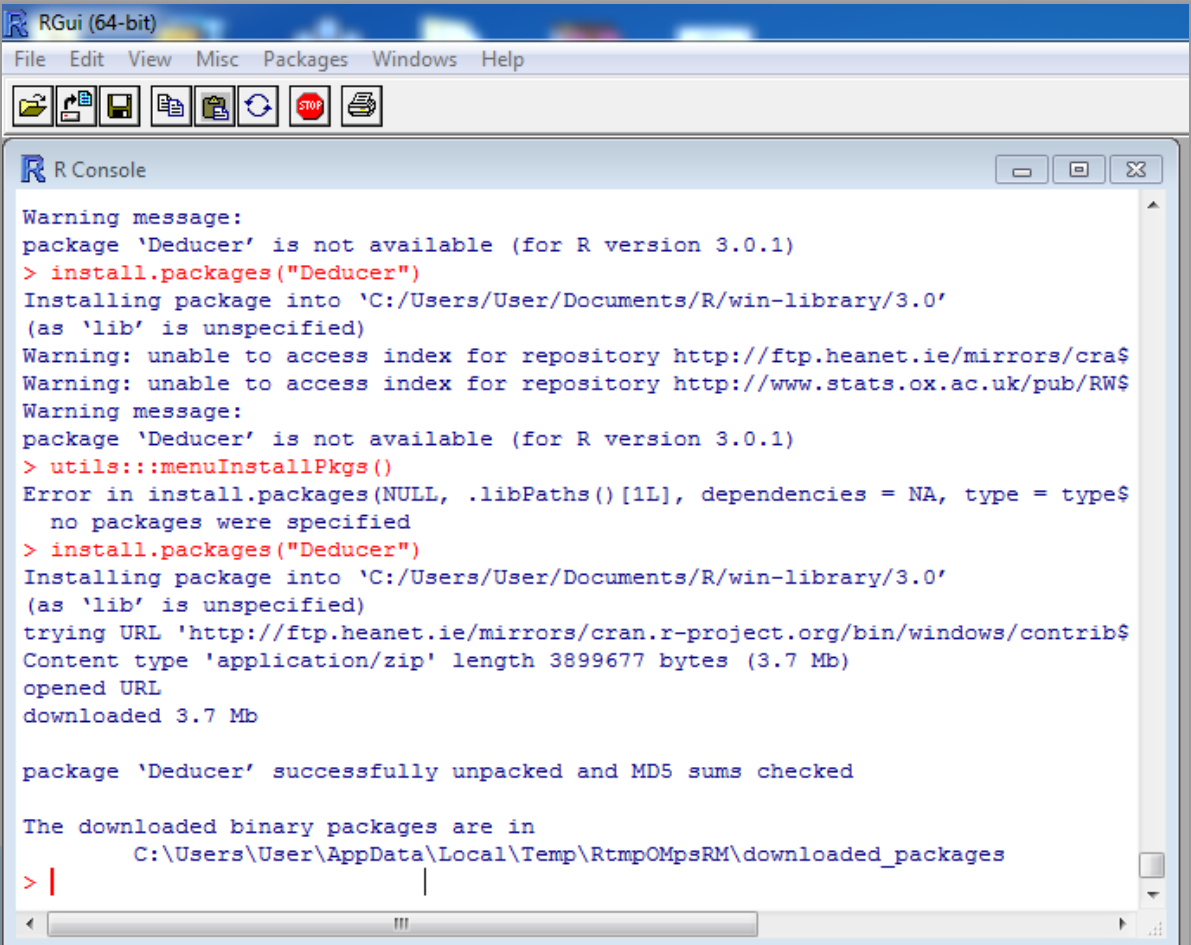
**For expert R users**, Deducer reduces the time necessary to construct a command, and minimizes the cognitive load of remembering infrequently used options. Otherwise, Deducer stays out of the way.

The GUI is integrated into the regular R console, so using a mix of programming and GUI dialogs is natural.

**Installation:**

Installing and uploading Deducer:

- Deducer can be installed from the R Console using the command:
  *install.packages("Deducer")*

- Once installed, like all other packages in R, needs to be loaded using the command:
  library (Deducer)

```
Warning message:
package 'Deducer' is not available (for R version 3.0.1)
> install.packages("Deducer")
Installing package into 'C:/Users/User/Documents/R/win-library/3.0'
(as 'lib' is unspecified)
Warning: unable to access index for repository http://ftp.heanet.ie/mirrors/cra$
Warning: unable to access index for repository http://www.stats.ox.ac.uk/pub/RW$
Warning message:
package 'Deducer' is not available (for R version 3.0.1)
> utils:::menuInstallPkgs()
Error in install.packages(NULL, .libPaths()[1L], dependencies = NA, type = type$
  no packages were specified
> install.packages("Deducer")
Installing package into 'C:/Users/User/Documents/R/win-library/3.0'
(as 'lib' is unspecified)
trying URL 'http://ftp.heanet.ie/mirrors/cran.r-project.org/bin/windows/contrib$
Content type 'application/zip' length 3899677 bytes (3.7 Mb)
opened URL
downloaded 3.7 Mb

package 'Deducer' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
        C:\Users\User\AppData\Local\Temp\RtmpOMpsRM\downloaded_packages
>
```

Sometimes while loading Deducer using "library(Deducer) "command. You can get some error like jvm.dll is missing.
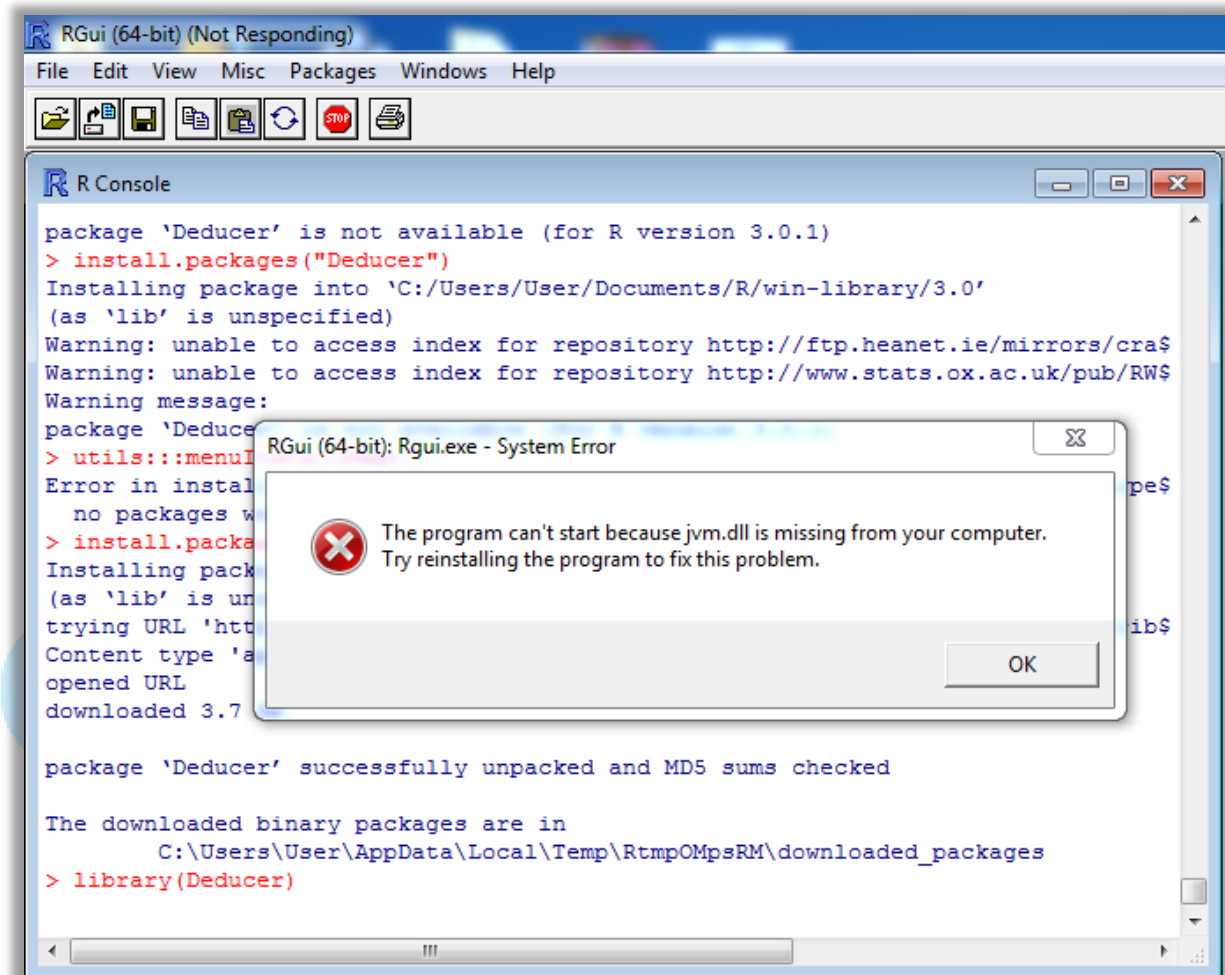
In case you tried loading a package that depends on the {rJava} package , you might came across the following error:

Loading required package: rJava
library (java)
Error : .onLoad failed in loadNamespace() for 'rJava', details :
call: fun(libname, pkgname)
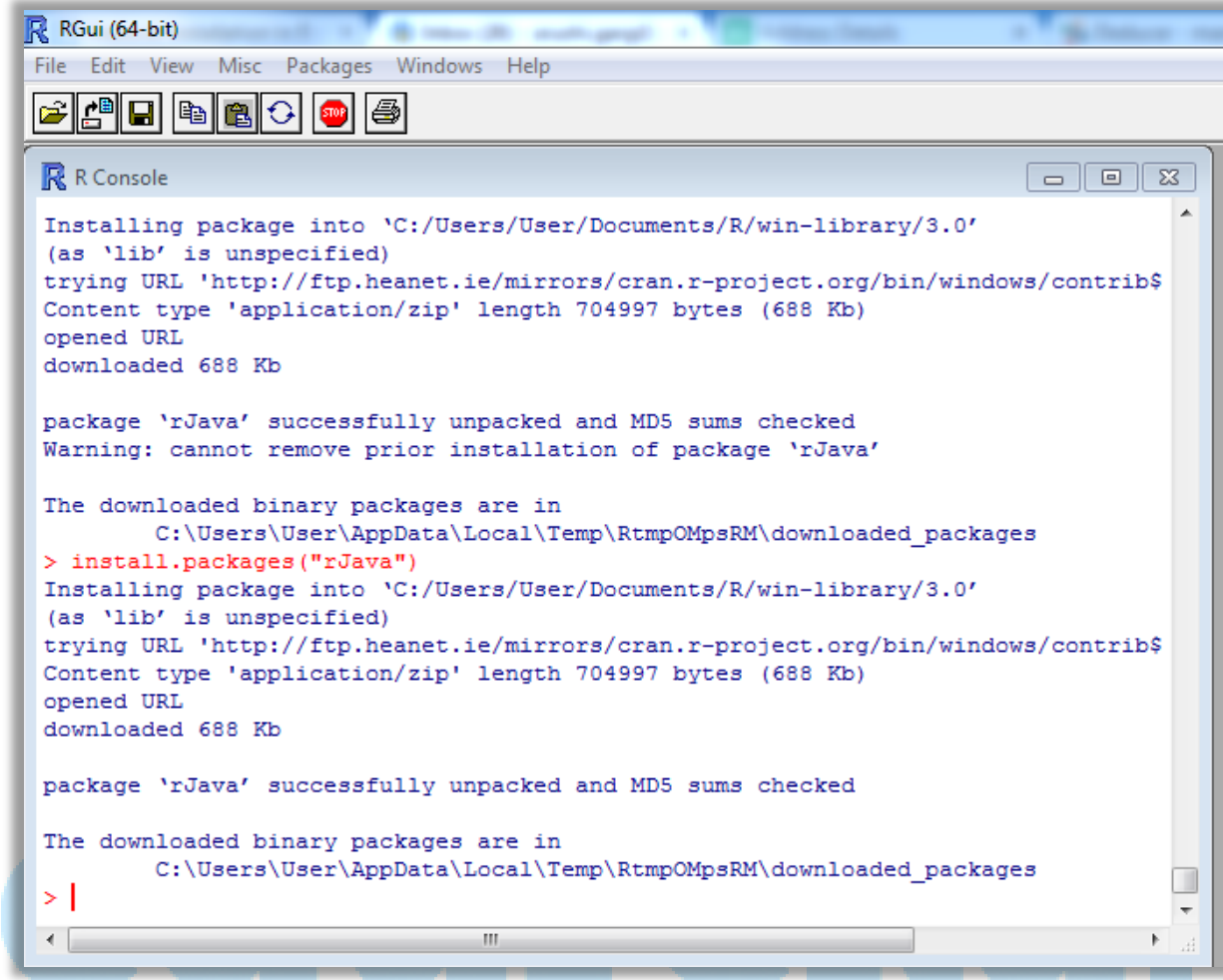error: JAVA_HOME cannot be determined from the Registry

The error tells us that there is no entry in the Registry that tells R where Java is located. It is most likely that Java was not installed (or that the registry is corrupt).

This error is often resolved by installing a java version   (i.e. 64-bit Java or 32-bit Java) that fits to the type of R version that you are using (i.e. 64-bit R or 32-bit R). This problem can easily effect Windows 7 users, since they might have installed a version of Java that is different than the version of R they are using.

Note that **it is necessary to 'manually download and install' the 64 bit version of JAVA. By default, the download page gives a 32 bit version** .

Other possible solutions is trying to re-install and loading rJava using:

- **install.packages("rJava")**
- **library(rJava)**

Now you can load the package using "library (rJava)" command. Then again if you are getting same error:
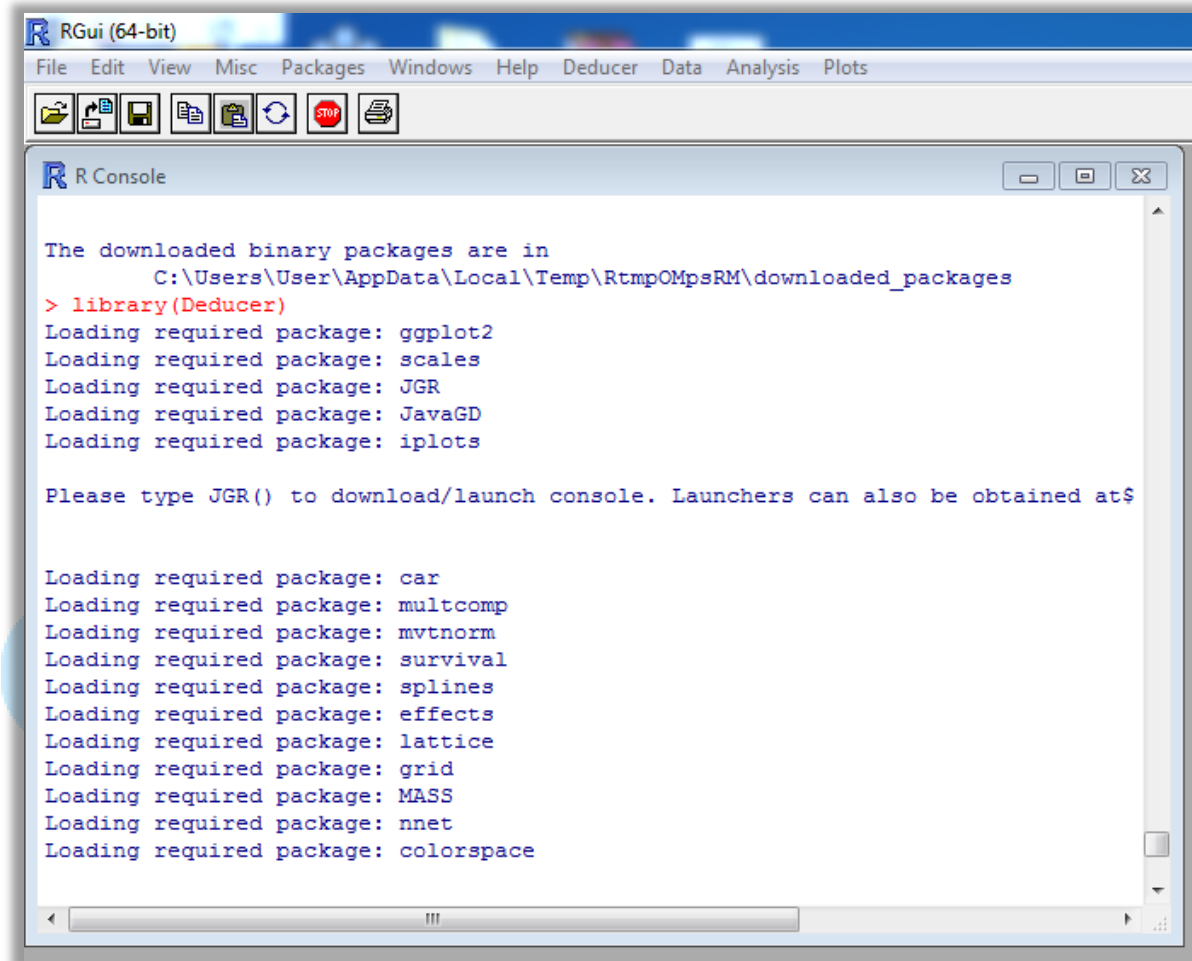
You could also manually set the directory of your Java location by setting it before loading the library:

**Sys.setenv**(JAVA_HOME='C:\\Program Files\\Java\\jre7') # for 64-bit version

**Sys.setenv**(JAVA_HOME='C:\\Program Files (x86)\\Java\\jre7') # for 32-bit version

**library**(rJava)

Now you can load the Deducer package using "library(Deducer)" command line:

When your Deducer will get successfully loaded.it will ask you to type JGR( ). Then after typing this command you will get one new window get opened.
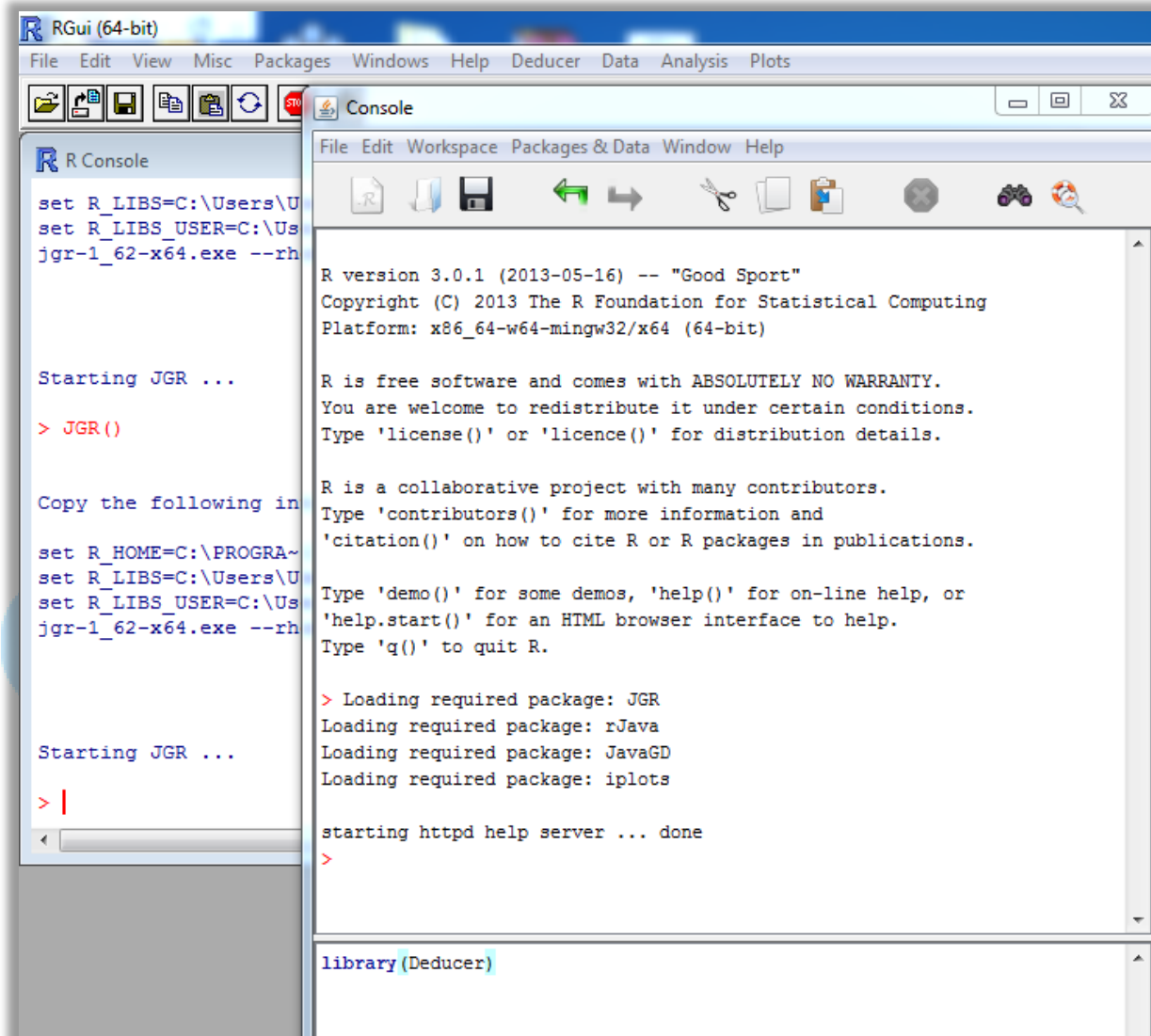
Now you only need to type "**library (Deducer)**" on new console window to get Deducer GUI.
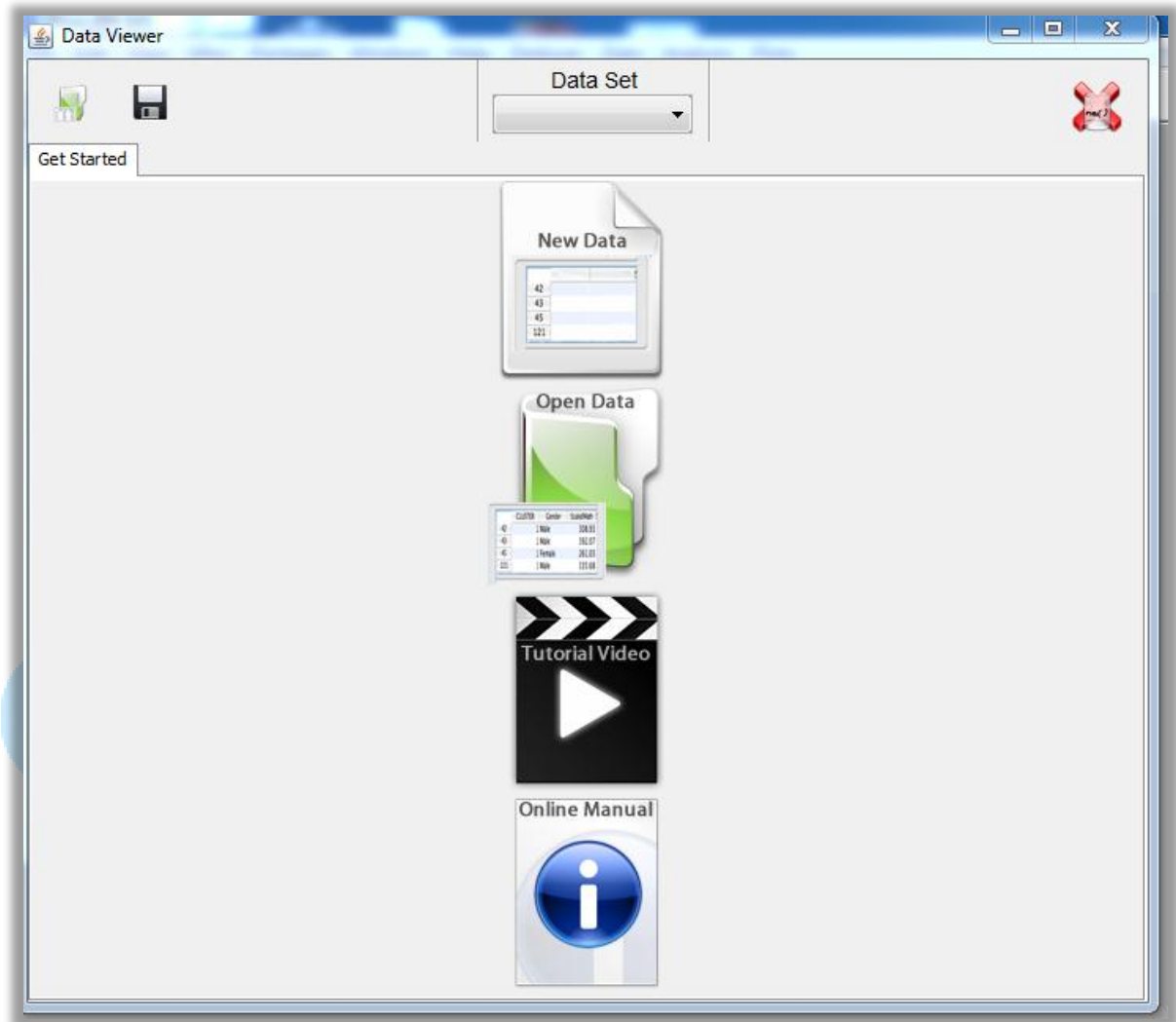
# Errors in Installing Rattle

**Error:**

rattle()
Error in as.GType(type) : Cannot convert RGtkBuilder to GType

**Solution:**

Uninstall previous versions of GTK2, GTK+ (if any)

-The trick is when R prompts to install Gtk2+ ..still hit yes but after the download, once the installation process starts  close the R Gui window. After Gtk2+ installation is complete  start R again.

-Make sure PATH environment variable points to file zlib1.dll which is present in "bin" folder inside <GTK2 installation folder>

Type .libPaths() to get path of installed library/package in R

-Open the terminal app in  /Applications/Utilities folder

-Set environment variable using command "export PATH=$PATH:<path of zlib1.dll file which is present in "bin" folder inside GTK2 installation folder>" Example: export PATH=$PATH:/path/to/my/stuff