

Rcpp Installation Bug for the R Package Installer

The problem

There is some installation bug based on some permissions issue (which I think only happens on Windows systems, but not sure) regarding the Rcpp package, which my lessR package needs to read Excel files. The bug is that the Rcpp package does not get installed. When you try to load lessR with `library(lessR)`, you get the following message.

```
there is no package called ?Rcpp?  
Error: package or namespace load failed for ?lessR?
```

The problem is that the R package installer first downloads the lessR package, and all dependent external packages on which lessR depends, such as Rcpp, to a temporary folder. The contents of each package are stored in its own folder inside this temporary folder. Sometimes R does not finish the move of the Rcpp folder from its temporary location to its permanent location in your R library. You can locate the Rcpp folder in its temporary location, which R provides as part of the installation process, and do the move yourself. But maybe easier to get the Rcpp folder apart from R and then manually move to your R library.

Location of your R library

Where is your R library folder? When running R, enter: `.libPaths()`

The result will be the path name that locates your R library. For example:

```
> .libPaths()  
[1] "C:\Users\Robert\Documents\R\win-library\3.3"
```

Inside Robert's Documents folder is a folder called R. Inside that folder is the win-library folder, and finally the folder identified at the end of that path name, named with the R version number, 3.3. That is where the packages are stored long-term, each in its individual folder.

Get the Rcpp package

Where can the Rcpp package be obtained? Manually download the Rcpp package from

<https://cran.r-project.org/web/packages/Rcpp/index.html>

Choose the r-release for either Windows binaries or OS X Mavericks binaries

For most people this download will go to their Downloads folder, but that depends on how you configured your system. Then double-click the downloaded .zip file to reveal the Rcpp folder.

Manually install the Rcpp package into your R library

Now finish the installation process: Move the downloaded Rcpp folder to your R library. After you move the folder, quit and re-start R.

With the Rcpp folder in your R library, `library(lessR)` should now properly load all 43 or so lessR functions, such as Read for reading a data table into R, and Histogram for generating a histogram, frequency distribution table, summary statistics and outlier analysis.