

Installing R packages on SODA

To improve efficiency of R and RStudio, not many R-packages are pre-installed. SODA does not allow internet access, wherefore additional packages cannot be installed from CRAN. A local repository of all CRAN-packages (available at a fixed date) have been downloaded and archived within the SODA environment however. Those packages are not installed by default (since it would slow down the R-session).

It should be possible for the user to install packages using the standard command:

```
install.packages("packagename")
```

This should install the package from the local package repository into the user specific library.

Note:

1. Package versions are fixed. It is not possible to install later versions of the packages, or packages that were not available from CRAN by the time of the local CRAN mirror.
2. There is a known bug (see below)!

Bug!

A package with a complex dependency structure should be installed together with its complete dependency tree. This does not always happen. Installation of such package might run smoothly. Hence, no error messages after `install.packages`. An error might however occur at the time of package loading (`library/require`). An error message might show that a required package is missing. If so, please use `install.packages` for the missing package and retry the previous `library/require` step. This iterative process might be repeated several times.

This applies to the “tidyverse” package” and possibly others.