# studbookR: Installation

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## Acquire files

Download the installation file **studbookR_install.R** and the package **studbookR_0.4.tar.gz** from www.princee.com. Note that both files are included in the *PML-studbookR.dmg* for macOS systems.

## Install studbookR

Note that the package *studbookR* requires **R** version 3.1.1 or later. So, you may have to upgrade this program.

Open **R** and load the installation file **studbookR_install.R** from the folder (directory) where you stored the files after downloading.

```
source("/<download-path>/studbookR_install.R")   # Run the source file from the download folder
install.studbookR()                              # install studbookR and dependencies
```

The function *install.studbookR()* will first install the additional packages (and their dependencies). Once **all** these packages have been installed then *studbookR* will be installed. Depending on the internet connection, *install.studbookR()* may have to be run several times.

## Manual installation

The package *studbookR* can also be installed manually in the case that all required additional packages are already installed. The following additional packages are required:

*aods3,car,circular,coda,date,DBI,dispmod,fmsb,forecast,geepack,Hmisc,ICC,kinship2,lme4,MCMCglmm,mcmcse, nadiv,pedantics,pedigreemm,plotrix,popbio,popdemo,quadprog,raster,RColorBrewer,robust,RSQLite,segmented,sp, stringr,survrec,tis,tseries,vcd,weights,XML,xtable*

These packages need to be installed from CRAN repositories before *studbookR* can be installed succesfully.

Install the **studbookR** package with the command:

```
install.packages(pkgs="<path-to-download>/studbookR_0.4.tar.gz",repos=NULL,type="source")
```