Installation instructions for the smoothtest R package for Mac users

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Preliminaries:

- We recommend using a recent version of R. The smoothtest R package is tested on R $\geq$ 2.7.2., but it is most convenient to use R version 2.9 or higher.

- The smoothtest package depends on a couple of other packages. These packages need to be installed first. When you are using a recent R version $\geq$ 2.9, you will only require the VGAM and minpack.lm packages. When you are working with an older R version, two additional packages are required: splines and stats4. The official R website, however, does not support these two packages any longer.

The installation of the VGAM and minpack.lm packages:

1. start R and go to the *packages & data* menu

2. select *package installer*

3. a new window will open; select *CRAN (binaries)* and click on *get*. A list of available packages will now appear.

4. check the checkbox which says *install dependencies*

5. Select the VGAM package and click on *install selected*. The package will now be installed.

6. Select then the minpack.lm package and click again on *install selected*. The package will now be installed.

Installation of the smoothtest package:

1. copy the tar.gz file to an appropriate R package directory

2. open a terminal, and go to this R package directory

3. type at the command line
   R CMD install smoothtest_X.Y.tar.gz
   where X.Y stands for the version of the smoothtest package.

4. start R and type at the command line
   library(smoothtest)
   The smoothtest package will now be loaded. When this is finished, the package is ready to use. Try, for example
   help(smooth.test)
   This will show the help file of the smooth.test function, which is one of the most important functions of the package.