

How to install and run the R package SPG (Sewage Pattern Generator v1.01)

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1. Download and install the free statistical computing software R

WINDOWS: <http://cran.r-project.org/bin/windows/base/>

b) OS X: <http://cran.r-project.org/bin/macosx/>

2. Optional: Install the free software RStudio (user-friendly interface to R)

WINDOWS and OS X: <http://www.rstudio.com/ide/download/>

3. Install the SPG package (SPG_1.01.zip) either...

a) WINDOWS users

... either in R by following the menu:

Packages ⇒ Install Package(s) from local ZIP files ... ⇒ browse to the folder with the SPG_1.01.zip and follow the instructions.

... or if RStudio is installed through the lower right panel:

Packages ⇒ Install Packages ⇒ maybe you have to choose a location (pick any) ⇒ select Install from: Package Archive File (.zip) and browse to the folder with the SPG_1.01.zip ⇒ click install and follow the instructions.

You only need to open RStudio; this opens R automatically.

b) Mac users

... either in R by following the menu:

Packages & Data ⇒ Package Installer ⇒ in the field "CRAN binaries" choose 'Local Source Package' ⇒ click 'Install...' ⇒ browse to SPG_OS_X.tar.gz, click open.

... or if RStudio is installed through the lower right panel:

As described for windows user above but chose SPG_OS_X.tar.gz.

4. Run the example

Once steps 1. to 3. are successfully completed you can open the file SPG_v1_01_example.R with the commented code in RStudio. It can be ran line by line by pressing Ctrl+Enter or execute highlighted code pressing Ctrl+Enter. You can also copy paste the code from any text editor into your R-console (less convenient). Everything after a # is a comment for the user only and is ignored by R.