GSSE-401 : STATISTICAL METHODS IN SCIENTIFIC RESEARCH

Package*gsse401* : Teaching supporting functions

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1. Download the notes for the Lab sessions

- pdf format (click to download)
  LabSessions.pdf

- postscript format (click to download)
  LabSessions.ps

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2. Installing/download the package (last update: 08/Dez/2001, 13:0

- *Automatic installation/update*

  If you are connected to the internet you can install or update the package **gsse401** automatically.
  Start an **R** session and type at the prompt:

  - install.packages("gsse401", contriburl="http://www.maths.lancs.ac.uk/~ribeiro/gsse401")

    or
  - update.packages(contriburl="http://www.maths.lancs.ac.uk/~ribeiro/gsse401")

  NOTE:if you are working in a system with access restrictions you will need to add the extra argument lib="PATH" in the commands above. Replace PATH by a directory path to install the package where you have write permissions.

- *Manual installation*

  To install the package manually use the source files below and check the **R** documentation for further instructions on manual installation.

  - Linux / Unix version: (click to download)
    gsse401_0.0-8.tar.gz

  - Windows version: (click to download)
    gsse401.zip

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3. Documentation and Help files

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- Reference manual:
  - pdf format (gsse401.pdf)
  - dvi format (gsse401.dvi)
  - postscript format (gsse401.ps)

To see the documentation for a function mctest, say, just type during an R session (after loading the package gsse401):
> help(mctest)

Futhermore, typing help.start() before the *html (web-style)* help pages are activates and can be seen using a browser, e.g. Netscape.

4. Data-sets: text (ASCII) files

The data-sets are already included in the package distribution and therefore available when the package is loaded. However, if you want to copy the text (ascii) files (e.g., for usage in another software) click in the file name below.

- data: anscombe.dat and its description: anscombe.txt
- data: campy.dat and its description: campy.txt
- data: class96.dat and its description: class96.txt
- data: class97.dat and its description: class97.txt
- data: class98.dat and its description: class98.txt
- data: crossover.dat and its description: crossover.txt
- data: glyphosate.dat and its description: glyphosate.txt
- data: gravity.dat and its description: gravity.txt
- data: lh.dat and its description: lh.txt
- data: maxtemp.dat and its description: maxtemp.txt
- data: mandible.dat and its description: mandible.txt
- data: rubber.dat and its description: rubber.txt
- data: screen.dat and its description: screen.txt
- data: ugclass.dat and its description: ugclass.txt
- data: warping.dat and its description: warping.txt

5. License information

gsse401 is available as Free Software under the terms of the Free Software Foundation's GNU General Public License.

Please note that as free package gsse401 is supplied without any warranty.

6. More about the R software

R is a freely-available open-source statistical system 'not unlike S'. To learn more about R go to:

- What is R ? web page
- or to the more general R project web page.
- Click to download R,
- for R manuals including an *Introduction to R* go to the R Manuals web page,
- and to learn what's new in the R project have a look at the R-News, downloadable in *.pdf* and *.ps* formats.

For more details about statistical analysis and programming using **R** see:
Venables & Ripley (1999) and Venables & Ripley (2000).

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7. Bugs

Bug reports and feature suggestions may be sent by e-mail to p.ribeiro@lancaster.ac.uk.
We welcome usage/bugs reports.

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8. About the authors

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