

# SOME BASICS ON SOFTWARE R

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Some basic facts on software R:

- R may be used as a simple calculator (with a very large set of functions)
- R is interactive and easy to use
- 2D and 3D graphics readily available in R
- R is an international standard tool in several research areas
- Libraries (sets of functions) for different specific problems are freely downloadable
- R is easy to expand (using own library of functions)
- R is free
- For more information, visit <http://www.r-project.org/>

*More to read:*

- Dalgaard, P. (2002). *Introductory Statistics with R*. Springer
- Venables et al (2005). *An introduction to R*. Available at

<http://cran.r-project.org/doc/manuals/R-intro.pdf>

If you open the connection to R, you are first informed with

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R : Copyright 2004, The R Foundation for Statistical Computing  
Version 2.0.1 (2004-11-15), ISBN 3-900051-07-0
```

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R is free software and comes with ABSOLUTELY NO WARRANTY.  
You are welcome to redistribute it under certain conditions.  
Type 'license()' or 'licence()' for distribution details.
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R is a collaborative project with many contributors.  
Type 'contributors()' for more information and  
'citation()' on how to cite R or R packages in publications.
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Type 'demo()' for some demos, 'help()' for on-line help, or  
'help.start()' for a HTML browser interface to help.  
Type 'q()' to quit R.
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**The R session typically proceeds as follows:**

1. Open the connection.
2. Change the working directory to the one you will use in your session.
3. Move the files (your data sets, programs, etc.) to your working directory.
4. Use R for your statistical analysis, save the results, save the figures for a later use.
5. In case of emergency, you can always try 'help.start()'
6. Quit the program with 'q()'