





**Course 02930 Software  
- R intro** 




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**Software in  
the course:** 



1. R (Monday, Tuesday, Thursday, Friday)
  1. Basic R stuff
  2. Our packages "sensR", "ordinal"
  3. Our "ImerTest", "SensMixed"
2. PanelCheck, ConsumerCheck (Wednesday)  
(Stand alone, open source)

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**Sensominer  
and FactoMineR** 





S. Le Dien, J. Pages, Food Quality and Preference 14 (2003) 397–403  
Hierarchical Multiple Factor Analysis: application to the comparison of sensory profiles

<http://sensominer.free.fr>

- Different multivariate Analysis:
  - CA, MFA, HMFA, etc (see list in R)
- BUT also: still somewhat challenging to use! (Especially without any prior R knowledge)


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**Sensominer,  
sensR, ordinal  
ImerTest, SensMixed and R** 



1. R (basic): (<http://cran.r-project.org>)
  1. "command oriented" software
  2. Many additional "packages"
  3. Easy to get these packages
2. Shiny versions:
  1. Provides GUI (Graphical User Interface)
  2. Other packages MAY run in shiny versions (most don't!)
3. SensominerR DOES! (AND FactoMineR)
4. sensR, ordinal and ImerTest does NOT!
5. SensMixed also runs in a Shiny-version

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**R** 



<http://cran.r-project.org/>

R-intro: (108 pp)  
<http://cran.r-project.org/doc/manuals/R-intro.pdf>

R-Primer: (8 pp)  
<http://www.stat.wisc.edu/~larget/r.html>

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**Quick R** 



<http://www.statmethods.net/>

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