

# Programming with R/Advanced R

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FDZ Spring Academy

## Who are we?

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## Who are you?

1. Specific interests?
2. Previous knowledge and experience?
  - with R
  - with other statistic software
  - with other programming languages

# Motivation

- Being more efficient in your research
- Successful collaborations (with your future self?)
- Syntaxes as part of paper submissions

## R Objects (Recap)

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# Clean Code

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# Iteration

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# Understanding Functions

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# Writing Functions

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# Object Oriented Programming (S3)

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# Version Controlling (Git + Github)

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## R Ressources

- Avanced R Ed. 1 (<http://adv-r.had.co.nz/>)
- Avanced R Ed. 2 (<https://adv-r.hadley.nz/>)
- R Inferno ([https://www.burns-stat.com/pages/Tutor/R\\_inferno.pdf](https://www.burns-stat.com/pages/Tutor/R_inferno.pdf))
- R Packages (<https://r-pkgs.org/>)
- Clean Code (<https://enos.itcollege.ee/~jpoial/oop/naited/Clean%20Code.pdf>)

Thank you for your attention!

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Questions? Remarks?