

Data analysis with R for beginners

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The course

- R is a statistical software
 - Computing
 - Graphics
 - Programming language
- Objectives
 - Learn R for powerful data analysis using limited programming skills
- Schedule on 3 days
 - Part 1: Basics
 - Part 2: Data analysis with the tidyverse

Part 1: Basics

- Install R and R Studio from the ZDV Apps
 - Open R Studio
- Download the tutorial
 - <https://cbdm.uni-mainz.de/mb18/>
- Procedure
 - Read all pages of the tutorial from page 1
 - Reproduce example R commands with R Studio
 - Do the small exercises (write your code in a script)
 - Try to understand and ask questions if needed
- Long exercises
 - More details later

Part 2: Data analysis with the tidyverse

- More details later
- In preparation, install 2 packages
 - Run the following code today just before a break!

```
install.packages(c("tidyverse ", "ggvis"))
```