TOWARDS BIG DATA
Informatics tools for data manipulation
Course II

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Objectives

This course follows and expands on the "Towards Big Data - Informatics tools for data manipulation I" course. Hence, although not mandatory attendance of the former is strongly encouraged.
The participants will engage with programming concepts and constructs, will develop algorithms and implement them into scripts first, and custom functions then.
The participants will acquire the basic knowledge necessary to significantly simplify and automatize their analysis routines.

Course outline

1. Programming 101 [6 hours]
    a. Programming constructs.
    b. Functional programming and algorithms.
2. R programming specifics [2 hours]
    a. Custom functions in R.
    b. More on R visualisation.