

## Course

# >Data analysis strategies in R<

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<i>Lecturer</i>	<b>Keller M</b>
<i>Number</i>	049006
<i>Type / ECTS</i>	VU 1 / 0,75 ECTS
<i>Date/Time</i>	tba
<i>Location</i>	tba
<i>Limitations</i>	Min. of 4 participants;
<i>Registration</i>	Register in i-med.inside

## Description / Covered Topics

R is one of the leading open source programming language in statistics, data science and data visualisation (<http://www.r-project.org>). The course will cover the follow topics:

- Installation and getting started
- Data types, structure and accessing external data (e.g. csv)
- Exploring and visualizing data (basic statistical functions, graph types)
- Control structures, loops, debugging tools
- Loading and using packages (e.g. ggplot, reshape, MASS,...)
- Customized functions, regression analysis, curve fitting
- Visualisation and statistical analysis of large datasets (correlation plots, clustering, heatmaps,...)