Campus Luzern – A Cooperative Project of the University-Level Institutions in Lucerne

Writing Reproducible Research Papers with R
A Two-Day Workshop with Dr. Resul Umit

Tutor	Dr. Resul Umit
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Organiser	Campus Luzern
Language	English
Contact	For registration and questions regarding the content write to:
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Content	This workshop will introduce participants to the fundamentals and applications of *R Markdown* — a relatively new document type to analyse data and communicate results, in a reproducible and efficient manner.
	Although one can produce various outputs with R Markdown, such as presentations and websites, here we will focus on what it offers for the process of writing research papers. By combining code, text, and results in a single document, *R Markdown* allows automation of otherwise manual — therefore tedious, costly to repeat, and error-prone — steps in writing research papers: creating tables and figures, updating them as the data and/or analyses change, keeping track of all these changes, switching between different output formats (e.g., Word or PDF), and more.
	Therefore, those interested in writing research-based papers, from essays to journal articles, are likely to benefit from this course.
Prerequisites / Materials	Basic knowledge of R programming language
Reading list	Xie, Y., Allaire, J. J., & Grolemund, G. (2018). *R Markdown: The definitive guide*. Florida: Chapman and Hall/CRC. Available at https://bookdown.org/yihui/rmarkdown/
Charge	This Campus Luzern offering is directed at researchers, post-docs, doctoral students, people interested in starting a dissertation and employees of Lucerne universities and is free of charge for these persons. For persons not affiliated with Lucerne universities, the course fee is CHF 600/day. Certificates with the respective ECTS-Points are prepared on request (graduate.resources@campus-luzern.ch).