

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

«Writing Reproducible Research Papers with R Markdown» Two half days

Tutor	Dr. Resul Umit, Researcher at the University of Lucerne, Department of Political Science
Organization	Campus Luzern
Language	English
Contact	For Registration write to: graduate.resources@campus-luzern.ch
Content	<p>This workshop will introduce participants to the fundamentals and applications of <i>R Markdown</i> — a relatively new document type to analyse data and communicate results, in a reproducible and efficient manner.</p> <p>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.</p> <p>Therefore, those interested in writing research-based papers, from essays to journal articles, are likely to benefit from this course.</p>
Prerequisites/ Materials	<ul style="list-style-type: none"> • Basic knowledge of R programming language, or willingness to acquire it before the workshop • A laptop with R and RStudio previously installed
Reading list	Xie, Y., Allaire, J. J., & Golemund, G. (2018). <i>R Markdown: The definitive guide</i> . 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, and those interested in starting doctoral studies, who are affiliated to any of the university-level institutions in Lucerne, and is offered free of charge for these persons. Course fee for external persons: CHF 150/Day. 1 ECTS.
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