Join Radboud Summer School 2019!
Quantitative Data Analysis with R
R is a powerful statistical software that is free, open-source, available for all popular operating systems, fast to implement new analysis techniques, and has a burgeoning multi-language community of users across the world. We will use RStudio, a friendly interface that is easier to learn for beginning users. Within this course, we will learn how to describe a data set, visualise it, and model relationships between variables in R. The focus will be on the way to process data, types of objects and variables, and standard practices and packages for data analysis in R. The course finishes up with regressions, so that you can practice one of the most widely used types of statistical models.

The course will consist of lectures and practical sessions of data analysis. The course will explore the way R deals with various types of data and simple descriptive statistics, association tests between variables, including chi-square and correlation, comparisons between two or more groups, by means of t-tests and one-way analyses of variance, and it will introduce linear regressions in R as well as interactive effects in linear regressions and binary logistic regressions. We will finish with an outlook of other popular techniques of data analysis in R, including cluster analysis and factor analysis. This course is an ideal starting point if you have some experience in statistics with any software.

After this course you are able to
• Describe and visualise your data and relationships between variables in R
• Evaluate relationships in the data with various statistical tests in R
• Evaluate and report linear regressions with R

Number of EC
2 ECTS credits

Course leaders
• Anna Shirokanova, senior researcher, Laboratory for Comparative Social Research, NRU Higher School of Economics, St. Petersburg, Russia
• Olesya Volchenko, junior researcher, Laboratory for Comparative Social Research, NRU Higher School of Economics, St. Petersburg, Russia
Entry level
Advanced Bachelor, Master and PhD

This course is designed for
Anyone who has some knowledge of statistics and would like to learn how to analyse data with quantitative methods of analysis in R. The course is a gentle introduction that will help you adapt to R and learn how to implement statistical tests for the purpose of your research.

You can find more details about this course on our website.

Course date
Monday 5 August - Friday 9 August 2019

Course fee
€ 600

Deadline application
1 June 2019

Discounts
• 10% discount for early bird applicants. The early bird deadline is 1 March 2019.
• 15% discount for students and PhD candidates from partner universities. Please note that these discounts can be combined if you apply before 1 March 2019.

Apply now!
What is the RSS experience?

RSS is more than just a course!

Radboud Summer School offers you a unique opportunity to meet other students and researchers from all over the world with different cultural and academic backgrounds. You will also get to know Radboud University and the city of Nijmegen. Our social programme includes a welcome reception, guest lecture and farewell drinks. And for a small fee you can join our BBQ, River Cruise on a pancake boat, a Pub Quiz, Sports Activities or a City Game.

Want to know more?
Have a look at what participants have said about their experience on our website!

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www.ru.nl/radboudsummerschool