A welcome to R & RStudio for fresh users
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Introduction
R is increasingly used for linguistic data analysis, particularly for those working with large corpora and wanting to perform advanced statistical techniques. With the advent of RStudio, R has never been so easy to use! In this short course, we will introduce you to the very basics of R: how to get your data in and out of R, how to install and load libraries (the tools that help you get stuff done), how to do some basic manipulations and calculations on your data, and how to troubleshoot when you come across problems. This course will be a particularly good place to start if you're unfamiliar with R but are interested in taking the course *Advanced statistics for linguists: tree-based and mixed effects models in R.*

Assumed knowledge
We will assume that you have not used R before. We will also assume that you have a working knowledge of and skills in using your own computer and operating system.

Background knowledge
Some background information that may be helpful for you:
- Information about CSV format files, see e.g., https://www.lifewire.com/csv-file-2622708
- General knowledge about regular expressions, see e.g., https://en.wikipedia.org/wiki/Regular_expression and https://regexr.com/ (NOTE: R makes use of different syntax and some operators may be different, but the concept or regular expressions will be helpful)
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Preparation
Due to the time constraints of this short course, it's imperative that everyone comes along prepared to start working in R/RStudio as soon as we start.
Please have:
- Computer that is connected to eduroam/personal Wi-Fi device https://wireless.unimelb.edu.au/eduroam.html (NOTE: it is recommended that your Eduroam connection is configured before you leave your home institution)
- Latest version of R https://cran.r-project.org/
- Latest version of RStudio https://www.rstudio.com/products/rstudio/download/#download
Be prepared for further instructions regarding additional requirements.

Course
This course will:
- Show you how to get data into R from different sources,
- Show you how to get your data out of R,
- Show you how to combine, manipulate, and perform calculations on your data in R,
- Introduce some of the operators in R,
- Introduce some helpful packages and libraries that can help you get things done, and
- Introduce some valuable resources to turn to when you get stuck.

Feel free to contact Josh and Katie with any questions
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