

Assignment 1 - Setting up the computing environment and Introduction to R. Due September 6, 2021.

EPIB607 - Inferential Statistics^a

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R | RStudio | R Markdown | DataCamp

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Computing is an essential part of modern statistics. However, before doing any data analysis, we must first install the necessary tools. In this assignment you will first download R and RStudio and learn about what these tools are. Then you will signup for a free DataCamp account with your mail.mcgill.ca or mcgill.ca address. After this, you will be asked to complete a series of DataCamp courses that will guide you through some basic and some more advanced commands. You will then be introduced to R Markdown which is a tool for creating reproducible reports. All future assignments for this course must be submitted in R Markdown format.

1. Marking

Your progress and completion of these courses will be available to us automatically through the DataCamp website. **You do not need to hand anything in for this Assignment.** You will receive full credits for this assignment once we have seen that all tasks have been completed.

2. Install R and RStudio

See this [Chapter](#) from the course notes, which will guide you through installing both **R** and **RStudio**. RStudio is a software application that facilitates how you interact with R.

3. Basics of R and RStudio

Read the following two Chapters from the course notes:

1. [Basics of R and RStudio](#)
2. [RStudio Projects](#)

4. Sign up for DataCamp

Sign up for a free DataCamp account at [this link](#). Note: you are required to sign up with a `@mail.mcgill.ca` or `@mcgill.ca` email address.

5. Required Courses to Complete

Once you have registered for DataCamp, you will see a series of courses that have been assigned. These are required to complete by September 6, 2021.

1. Introduction to R
2. Reporting with R Markdown

6. Interactive R Learning Environment with Swirl (Optional)

`swirl` is a software package for the R programming language that turns the R console into an interactive learning environment. Users receive immediate feedback as they are guided through self-paced lessons in data science and R programming. Students from previous years found this to be extremely helpful in their path to learning R. Follow [instructions on this page](#) for how to get started.