**Self-Study R Course (SSRC)**

**Chapter 1: Getting Started**

**Instructions**

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|  | **Instructions** | **Resource** | **Comments** |
| **1.** | Watch the following YouTube Video. | [Video: Why you should use R](https://www.youtube.com/watch?v=9kYUGMg_14s) |  |
| **2.** | Watch the following YouTube Video. | [Video: Install R and RStudio](https://www.youtube.com/watch?v=orjLGFmx6l4&list=PLtL57Fdbwb_Chn-dNR0qBjH3esKS2MXY3&index=2) | If you have R and R Studio already installed on your computer, you can step this and the next step. |
| **3.** | Install R and R Studio on your computer. |  |  |
| **3.** | Watch the following YouTube Video. | [Video: Introduction to RStudio](https://www.youtube.com/watch?v=n79fN1g1iXY&list=PLRCTyRu1YVXBXPU-7bI0b4I9F7JRiM9Ln&index=1) | Do not worry if you do not yet understand every single detail! |
| **4.** | Open RStudio by yourself. |  |  |
| **5.** | Briefly check out the exercise sheet for chapter 1 on the SSRC website to get an impression of what you need to learn/know to solve it. |  |  |
| **6.** | Watch the following YouTube Video. | [Video: R as a calculator](https://www.youtube.com/watch?v=kF608MZ3sr8&list=PLRCTyRu1YVXBXPU-7bI0b4I9F7JRiM9Ln&index=2) |  |
| **7.** | Download and open the R -Script template that is provided on the SSRC website to insert your solutions in RStudio. Solve Task 1-4 of the exercise sheet. |  |  |
| **8.** | Do the “Programming Basics” Tutorial offered in the RStudio Cloud. | [Tutorial: Programming Basics](https://rstudio.cloud/learn/primers/1.2) | It is not important that you understand every single detail in the tutorial. Rather try to grasp the main messages and basic concepts. |
| **9.** | Finish exercise sheet 1 and save the solution on your computer. |  |  |
| **10.** | Compare your solutions to the sample solution provided on the SSRC website. |  |  |

**Additional Resources:**

[Website: R as a calculator](http://statseducation.com/Introduction-to-R/modules/getting%20started/calculator/) -> Nice overview of the most important mathematical and logical operators

[Cheat Sheet: Base R](https://raw.githubusercontent.com/rstudio/cheatsheets/master/base-r.pdf) -> Great overview of a large set of relevant R commands