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

**Chapter 2: Data Analysis Basics**

**Instructions**

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|  | **Instructions** | **Resource** | **Comments** |
| **1.** | Briefly check out the exercise sheet for chapter 2 to get an impression of what you need to learn/know to solve it. |  |  |
| **2.** | Watch the following YouTube Video. | [Video: Import Packages and Load Data](https://www.youtube.com/watch?v=e8B9YU_M5FM&list=PLtL57Fdbwb_Chn-dNR0qBjH3esKS2MXY3&index=3) |  |
| **3.** | Solve Task 1-4 of the exercise sheet. |  | Download and open the R -Script template that is provided on the SSRC website to insert your solutions in RStudio. |
| **4.** | Do the “Working with Tibbles” tutorial offered in the RStudio Cloud. | [Tutorial: Working with Tibbles](https://rstudio.cloud/learn/primers/2.1) | The concept of a tibble is not important for you, but we recommend to do this tutorial anyway since it introduces the dataset you will work with in the subsequent tutorials. |
| **5.** | Solve Tasks 6 of the exercise sheet. |  |  |
| **6.** | Do the “Isolating data with dplyr” tutorial offered in the RStudio Cloud. | [Tutorial: Isolating data with dplyr](https://rstudio.cloud/learn/primers/2.2) |  |
| **7.** | Solve Tasks 7-10 of the exercise sheet. |  |  |
| **8.** | Do the first four subchapters of the “Deriving Information with dplyr” tutorial offered in the RStudio Cloud. | [Tutorial: Deriving Information with dplyr](https://rstudio.cloud/learn/primers/2.3) |  |
| **9.** | Solve Tasks 11-12 of the exercise sheet. |  |  |
| **10.** | Compare your solutions to the sample solution provided at the SSRC website. | SSRC\_C2\_exercise\_solution.html |  |

**Additional Resources:**

[Cheat Sheet: Data Transformation with dplyr](https://raw.githubusercontent.com/rstudio/cheatsheets/master/data-transformation.pdf) -> Nice overview on how to transform data with dplyr