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

**Chapter 3: Data Manipulation**

**Instructions**

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|  | **Instructions** | **Resource** | **Comments** |
| **1.** | Briefly check out the exercise sheet for chapter 3 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 Tasks 1-6 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 “mutate” subchapter of the “Deriving Information with dplyr” tutorial offered in the RStudio Cloud. | [Tutorial: Deriving Information with dplyr](https://rstudio.cloud/learn/primers/2.3) |  |
| **5.** | Solve Task 7 of the exercise sheet. |  |  |
| **6.** | Watch the following Video. | [Video: Data Types](https://www.youtube.com/watch?v=VtUVQWl0aRA&list=PLtL57Fdbwb_Chn-dNR0qBjH3esKS2MXY3&index=6) |  |
| **7.** | Solve Task 8-11 |  |  |
| **8.** | Watch the following Video. | [Video: Rename Variables](https://www.youtube.com/watch?v=q_ax_aG6ZdQ&list=PLtL57Fdbwb_Chn-dNR0qBjH3esKS2MXY3&index=7) |  |
| **9.** | Solve Task 12 |  |  |
| **10.** | Watch the following Video. | [Video: Create Categorical Variables](https://www.youtube.com/watch?v=rLXlab5KzBA) |  |
| **11.** | Solve Task 13 |  |  |
| **12.** | Compare your solutions to the sample solution provided at the SSRC. | SSRC\_C3\_exercise\_solution.html |  |

**Additional Resources:**

[Cheat Sheet: Work with factor variables](https://raw.githubusercontent.com/rstudio/cheatsheets/master/factors.pdf) -> Great overview on how to work with factor variables in the tidyverse context