

# Workshop 5: Creating and Transforming Variables

GRAPH Courses

July 2024

## Introduction

Welcome!

For this workshop, we will be cleaning a dataset. It is a hands-on approach to using `{dplyr}` functions such as `select()`, `rename()`, `mutate()`, and `case_when()`. These have been covered in the prework material of the “Data wrangling” module:

- **Select & rename**
- **Mutate**
- **Conditional mutate**

The lesson notes (linked above) can be very helpful for completing the exercise below, so do refer to them during the workshop!

The due date for the assignment is Friday, **August 9th at 23:59 PM GMT**. The assignment should be submitted individually, but you are encouraged to brainstorm with partners.

## Steps for completing this assignment

1. **First download the repo to your local computer.** To get started, you should download, unzip, and look through the assignment folder.
2. **Open the RStudio Project** by clicking on the relevant `.Rproj` file in the unzipped workshop folder. Make sure you have opened `week_05_workshop.Rproj` in RStudio by looking at the name of your RStudio window, or in the upper right corner of your screen.
3. **Open the assignment Rmd.** Navigate to the Files tab in RStudio and open the “rmd” folder. You will be working in the file called “week\_05\_exercise.Rmd”. This Rmd contains both the instructions and the workshop assignment in one file.
4. **Complete the assignment.** Work through the steps in “week\_05\_exercise.Rmd”. Replace every instance of “WRITE\_YOUR\_CODE\_HERE” with your answers. Though you are allowed to work with group members, *it is important that all the code you submit has been typed yourself*.
5. **Submit your assignment.** Once you have finished the tasks above, you should save your answers and upload your assignment Rmd on the workshop webpage. You should upload just one Rmd file with your answers (do not upload the knitted HTML or a zipped folder). Make sure to include your name in the YAML header at the top of the script.