# Assignment

**Introduction to R**

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In your assignment, you can use the skills you have learned during the course. The data used for the assignment are obtained from the `LondonMarathon` package (Rennie 2023). You may work in teams of 2 students.

Please hand in your entire `R` project, including the datasets, in a zipped folder, via e-mail to sarah.zeller@tu-dresden.de. The deadline is 31 December 2023, 11.59 PM. The `.qmd` document needs to render without an error.

Please follow these steps. Steps 4–11 are to be carried out within a `Quarto` document.

1. Create a new `R` project.
2. Copy the files `london_marathon.csv` and `winners.csv` to this project.
3. Create a `Quarto` document within this project.
4. Load in the dataset `london_marathon.csv` on London Marathons using the package `here` as `london_marathon`.
5. Get to know the dataset.
6. Read in the dataset `winnners.csv` and merge it with `london_marathon`.
7. Visualize interesting relationships between variables in the resulting dataset.
8. Prettify the resulting graph.
9. Describe these relationships in the report.
10. Cite the used packages.
11. Render the report.

Happy coding – and googling!

### References

Rennie, Nicola. 2023. "LondonMarathon: Data on London Marathon."