Parametrise your report

Instructions

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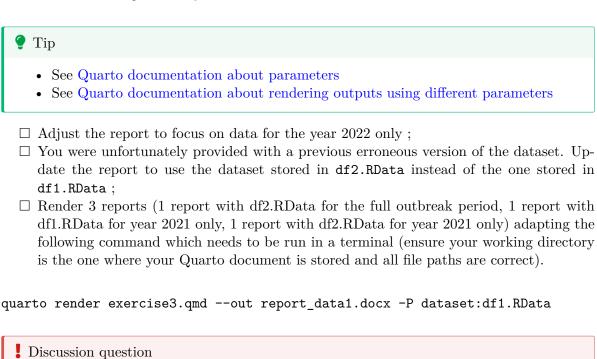
This exercise builds on the previous exercises where you learnt to create a simple MS Word report and to add dynamic elements to your report . Mastering these two exercises is essential for successfully completing the current exercise.
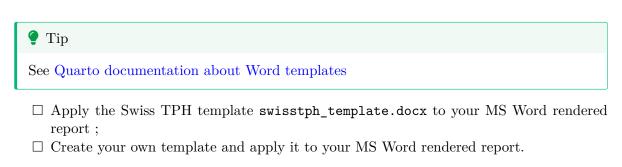
1 Objectives

- Open your modified Quarto document `exercise4.qmd` in RStudio;
- All text formatted in bold is a placeholder and should be replaced with appropriate automated calculations or cross-references;
- Complete each of the following tasks and render the document after each task or set of tasks to track your progress.

2 Parametrise your report

> 💡 Tip
>
> - See [Quarto documentation about parameters](#)
> - See [Quarto documentation about rendering outputs using different parameters](#)

☐ Adjust the report to focus on data for the year 2022 only ;

☐ You were unfortunately provided with a previous erroneous version of the dataset. Update the report to use the dataset stored in `df2.RData` instead of the one stored in `df1.RData` ;

☐ Render 3 reports (1 report with df2.RData for the full outbreak period, 1 report with df1.RData for year 2021 only, 1 report with df2.RData for year 2021 only) adapting the following command which needs to be run in a terminal (ensure your working directory is the one where your Quarto document is stored and all file paths are correct).

```
quarto render exercise3.qmd --out report_data1.docx -P dataset:df1.RData
```

> ❗ Discussion question
>
> Discuss the advantages and disadvantages of using R within Quarto compared to using R scripts.

3 Finalise your MS Word report

> 💡 Tip
>
> See [Quarto documentation about Word templates](#)

☐ Apply the Swiss TPH template `swisstph_template.docx` to your MS Word rendered report ;

☐ Create your own template and apply it to your MS Word rendered report.