Add dynamic elements to reports

Instructions

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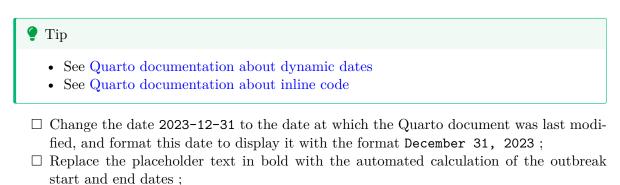
1 Exercise objective

- You are tasked with generating a Microsoft Word report on an outbreak. Open the Quarto document exercise3.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 Improve navigation and readability

• Tip
• See Quarto documentation about MS Word table of contents
☐ Insert a table of contents to the Quarto document ; ☐ Automatically number the different sections of the Quarto document ;
\Box Configure the table of contents to only display two levels of section headings.

3 Implement dynamic calculations



- "The outbreak ran from date to date"
- □ Replace the placeholder text in bold with the automated calculation of the number of cases, confirmed cases and deaths.
 - "Over the studied period, there were N cases, including N confirmed cases and N confirmed deaths."

4 Create and reference publication-ready tables

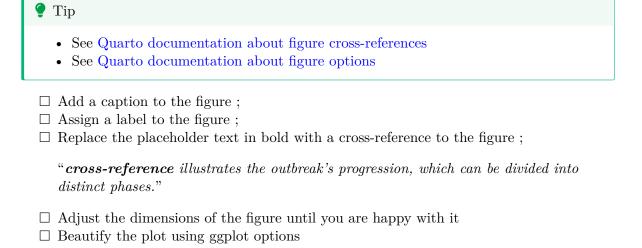


- See gtsummary documentation about summary tables
- See Quarto documentation about table cross-references

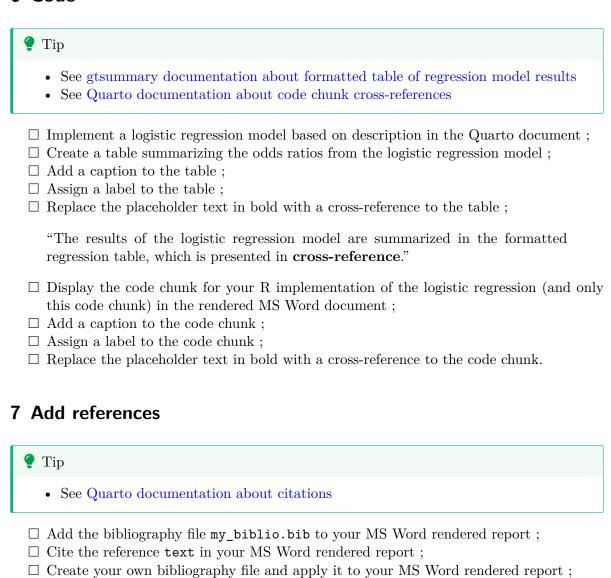
Other R packages include flextable and gt

Create a table summarising the demographic characteristics and outcome frequency of
all cases;
Add a caption to the table;
Assign a label to the table;
Replace the placeholder text in bold with a cross-reference to the table ;
"cross-reference provides a summary of the demographic characteristics and the outcome proportion for the overall population"
Create a table summarising the demographic characteristics of individuals who died versus those who are still alive ;
Add a caption to the table;
Assign a label to the table;
Replace the placeholder text in bold with a cross-reference to the table.
"while cross-reference compares the demographic characteristics of individuals who died versus those who are still alive"

5 Customise figures



6 Code



8 Finalise your MS Word report



Apply the Swiss TPH template swisstph_template.docx to your MS Word rendered	d
report;	
Create your own template and apply it to your MS Word rendered report.	