⭐ Create a simple Word report

📋 Instructions

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Table of contents

# 1. 🎯 Exercise objectives

* You are tasked with generating a simple report on a fictitious outbreak.
* Open the Quarto document exercise3.qmd in RStudio. Complete each of the following tasks and render the document after each task or set of tasks to track your progress.
* The final output should be a Microsoft (MS) Word report named exercise3.docx, containing all required tables, figures and corresponding captions.

# 2. Setup basic elements of the Quarto document

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| Tip |
| * See [Quarto documentation about date formatting](https://quarto.org/docs/reference/dates.html#date-formatting) * See [Quarto documentation about execution options](https://quarto.org/docs/computations/execution-options.html) |

* ☐ Update the title of the Quarto document ;
* ☐ Put your name as author of the Quarto document ;
* ☐ Add the date 2023-12-31 to the Quarto document ;
* ☐ Change the output format to generate a MS Word document ;
* ☐ Configure the Quarto document to hide code in the rendered MS Word document ;
* ☐ Configure the Quarto document to hide warnings in the rendered MS Word document.

# 3. Create publication-ready tables

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| Tip |
| * See [gtsummary documentation for creating formatted summary tables](https://www.danieldsjoberg.com/gtsummary/articles/tbl_summary.html) * See [gtsummary documentation for creating formatted tables of regression model results](https://www.danieldsjoberg.com/gtsummary/articles/tbl_regression.html) * See [tbl-cap option](https://quarto.org/docs/authoring/tables.html#computations) to add a caption to a table generated by an executable code chunk   Other R packages for working with and customising tables include [flextable](https://davidgohel.github.io/flextable/) and [gt](https://gt.rstudio.com/) |

* ☐ Create a table summarising the demographic characteristics and outcome frequency of all cases ;
* ☐ Add a caption to the table;
* ☐ Create a table summarising the demographic characteristics of individuals who died versus those who are still alive ;
* ☐ Add a caption to the table;
* ☐ Implement a logistic regression model based on description in the Quarto document ;
* ☐ Create a table summarizing the odds ratios from the logistic regression model ;
* ☐ Add a caption to the table.

# 4. Create publication-ready figures

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| Tip |
| * see [fig-cap option](https://quarto.org/docs/computations/execution-options.html#caption-and-alt-text) to add a caption to a figure generated by an executable code chunk * See [fig-width and fig-height options](https://quarto.org/docs/computations/execution-options.html#figure-options) to adjust figure dimensions |

* ☐ Add a caption to the figure ;
* ☐ Adjust the dimensions of the figure until you are happy with it;
* ☐ Beautify the plot using ggplot options.

# 5. Code visibility

* ☐ Display the code chunk for your R implementation of the logistic regression (and only this code chunk) in the rendered MS Word document.