Quarto Paper Template[*]

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Abstract

This is a template to write an academic paper in Quarto. In this space, you normally write the abstract, which is a summary of the paper in no more than 120-200 words.

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1   Introduction

Papers usually start with an introduction. See this link for some tips on how to write introductions.[1]

2   Code

Our code chunk settings make it so that code is hidden from the pdf by default. We can override this with code chunk options.

For example, here I am forcing the code to appear in the pdf.

```
1+1
```

[1] 2

3   Citations

Citations by default are in Chicago style. For example, you can see Wickham (2016b) to learn more about working with R and RStudio. See here for more information on how to use other citation styles.

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[1]You can also try the full URL: https://anthlittle.github.io/files/little_intros.pdf. Oh, this is how you make footnotes.

4 Figures

4.1 From R

Figure 1 shows how to plot a figure from R code. See Wickham (2016a) for more on how to make pretty plots.[2]

4.2 From external sources

Sometimes you may want to include a figure that was not made in R. Alternatively, when your data analysis becomes too cumbersome, you may want to make your figures in a separate file, and then import them. Figure 2 shows an example using a URL. In practice, you would use the path of file in your working directory.

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[2]Notice how we use cross-reference to automate figure labels and citations.
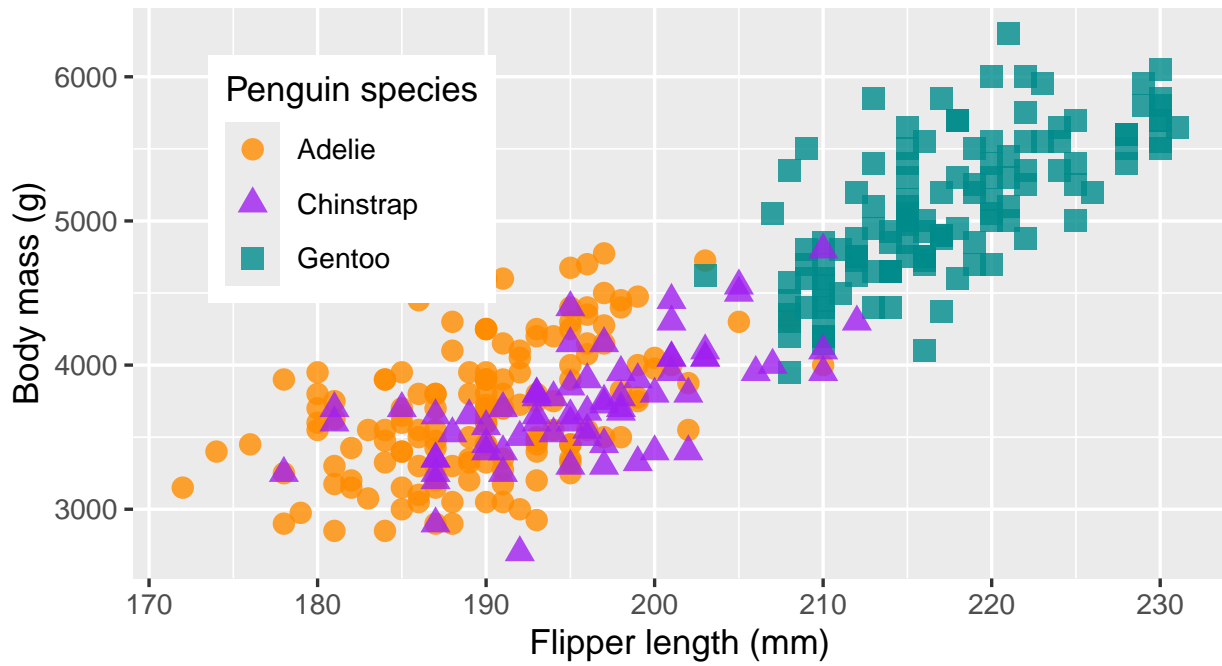
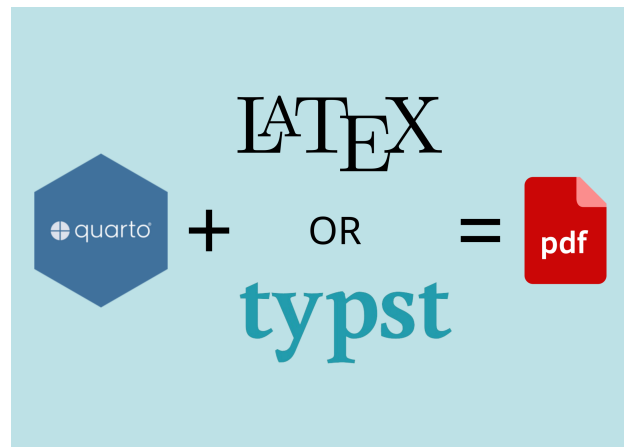Figure 1: An example of how to make figures using `ggplot2`

Figure 2: An example of how to plot an external figure

5 Tables

5.1 Pipe tables

You can make tables "by hand" using pipe tables. Like Table 1 shows.

Table 1: Demonstration of pipe table syntax

Default	Left	Right	Center
12	12	12	12
123	123	123	123
1	1	1	1

You can even use a Tables Generator to make them interactively and then copy and paste in your .qmd file.

5.2 From R

Of course, you can also make tables in R and then print them in a nice format. I like to use the `tinytable` for simple tables.[3]

For example, Table 2 is made "by hand" with R code. Of course, you can also plot tidy data objects, like Table 3 shows.

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[3]You should also consider `modelsummary` for regression-like result tables.

Table 2: An example of a table made with `tinytable`

Default	Left	Right	Center
12	12	12	12
123	123	123	123
1	1	1	1

Table 3: An example of a table made from tidy data with `tinytable`

country	year	cases	population
Afghanistan	1999	745	19987071
Afghanistan	2000	2666	20595360
Brazil	1999	37737	172006362
Brazil	2000	80488	174504898
China	1999	212258	1272915272
China	2000	213766	1280428583

6 Conclusion

You can use this template to start writing your paper, then make it your own by customizing it in any way you would like. You can use a journal-style template or make your own.

References

Wickham, Hadley. 2016a. *Ggplot2. Use R!* Springer International Publishing. https://doi.org/10.1007/978-3-319-24277-4.

———. 2016b. *R for Data Science: Import, Tidy, Transform, Visualize, and Model Data.* Edited by Garrett Grolemund. First edition. Beijing: O'Reilly.