

Using Quarto to Generate Documents in APA Style (7th Edition)

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This document is a template demonstrating the apaquarto format.

Keywords: keyword1, keyword2, keyword3

This is my introductory paragraph. The title will be placed above it automatically. *Do not start with an introductory heading* (e.g., "Introduction"). The title acts as your Level 1 heading for the introduction.

Readers are better able to follow your ideas if you differentiate sections in your introduction with headings. Mostly stick to level 2 headers. Sometimes level 3 headings are needed, though. Be sparing to the point of stinginess with levels 4 and 5.

All headings should be in title case according to [these rules and exceptions](#).

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Ana Fulano is now at X University. Carina Mengano is deceased.

This study was registered at ClinicalTrials.gov (Identifier NTC998877). This article is based on data published in Austen (1814/1990). Ana Fulano earns royalties from the sale of Test X, which was used in the study. This study was supported by Grant ABC123 from Corporation X. The authors are grateful for the technical assistance of Fernanda Ferenganamono during the initial design and setup of our lab equipment. Because the authors are equal contributors, order of authorship was determined by a fair coin toss. Author roles were classified using the Contributor Role Taxonomy (CRediT; <https://credit.niso.org/>) as follows: Ana Fulano: conceptualization, Writing - original draft; Blanca Zutano: Project administration, Formal Analysis; Carina Mengano: Formal Analysis, Writing; Dolorita Perengano: Writing - review & editing, Methodology, Formal Analysis

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Level 2 Heading

Subsections of the introduction have level 2 headings. A paragraph after a level 2 Heading is on a new line. Regular paragraphs are indented, flush left, and double-spaced.

You do not need to put text after a heading. You can put a higher-level heading directly underneath if you want.

A Level 2 Heading Without Text Below It

Level 3 Heading

Subsections of a level 2 heading are placed under level 3 headings.

Another Level 3 Heading

Level 4 Heading. A level 4 heading should be indented, flush left, bold, title case, and end with a period. A paragraph after a level 4 or 5 heading is on a new line in this markdown document but will appear as if it were in the same paragraph when rendered. You need at least one paragraph after a level 4 or 5 heading. If you forget the period at the end of the level 4 or 5 heading, it will be added automatically. A period will not be added if the heading ends with a question mark or an exclamation point.

Subsequent paragraphs go on their own lines.

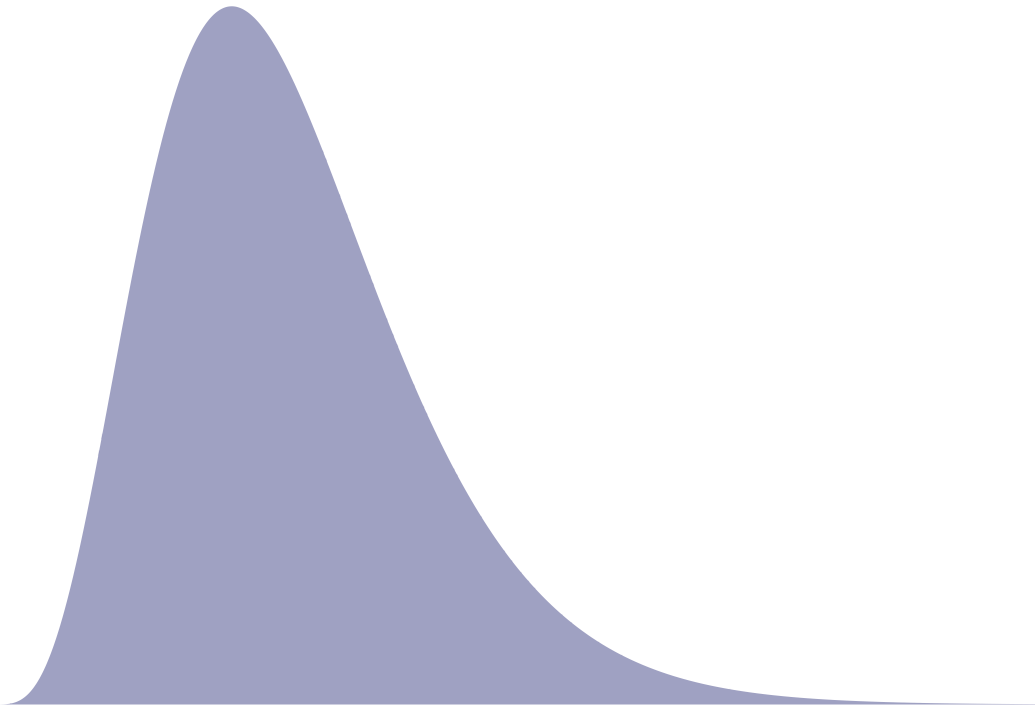
Level 5 Heading. A level 5 heading should be indented, flush left, bold italic, title case, and end with a period. Notice that there was no period after this level 5 heading in the markdown document, but it does appear in the rendered document.

Subsequent paragraphs go on their own lines.

Displaying Figures

Let's make a figure. A reference label for a figure must have the prefix `fig-`, and in a code chunk, the caption must be set with `fig-cap`.

To refer to any figure or table, use the @ symbol followed by the reference label, eg., Figure 1.



Note. This is the note below the figure.

Figure 1

This is the figure caption.

Updated Syntax for Figures and Tables

A previous version of this extension used the `apafg-` prefix for figure chunk labels and `apatb-` prefix for tables. It was always in the plan to use standard Quarto syntax as soon as possible. It is now possible. Replace all instances of `apafg-` with the standard Quarto prefix `fig-`. Likewise, replace the non-standard `apatb-` prefix with the standard Quarto prefix `tbl-`.

Also replace all text references to figures and tables using standard Quarto syntax. For example, `{apafg-myplot}` should now be `@fig-myplot` instead.

Imported Graphics

One way to import an existing graphic as a figure is to use `knitr::include_graphics` in a code chunk. For example, Figure 2 is an imported image. Note that in `apaquarto-pdf` documents, we can specify that a figure or table should span both columns when in journal mode by setting the `apa-twocolumn` chunk option to `true`. For other formats, this distinction does not matter.

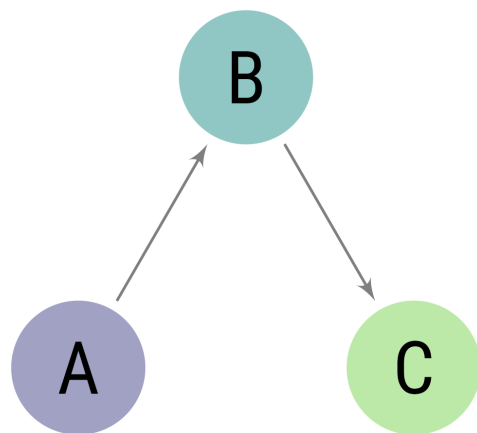


Figure 2

This is an imported graphic.

Displaying Tables

We can make a table the same way as a figure. Generating a table that conforms to APA format in all document formats can be tricky. When the table is simple, the `kable` function from knitr works well. Feel free to experiment with different methods, but I have found that David Gohel's `flextable` to be the best option when I need something more complex.

Table 1

Here is the table caption.

Numbers	Letters
1	A
2	B
3	C
4	D

Note. Here is the note below the table.

To refer to this table in text, put the table's reference label in curly braces like so: As seen in Table 1, the first few numbers and letters of the alphabet are displayed.

In Table 2, there is an example of a plain markdown table with a note below it.

Table 2

Table caption of a markdown table

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

Note. This is a note below the markdown table.

What if you want the tables and figures to be at the end of the document? In the .pdf format, you can set the `floatsintext` option to `false`. For .html and .docx documents, there is not yet an automatic way to put tables and figures at the end. You can, of course, just put them all at the end, in order. The reference labels will work no matter where they are in the text.

Citations

I am going to cite a reference here in square brackets (Cameron & Trivedi, 2013). This reference was in my bibliography file.

Parenthetical Citations

Here are some variations on parenthetical citations:

- Page references (or any other suffixes) are placed after the reference. If you want a comma, you'll need to insert it yourself: (Cameron & Trivedi, 2013, pp. 35–41)
- Prefixes (with or without a comma) are placed before the reference: (e.g., Cameron & Trivedi, 2013).
- 2 or more citations separated by a semicolon (Cameron & Trivedi, 2013; Cohen et al., 2003). If you need a prefix at the beginning of 2 or more citations, you will have rearrange the citations so that the prefix accompanies the citation that is first alphabetically. That is, (e.g., Cameron & Trivedi, 2013; Cohen et al., 2003), not (Cameron & Trivedi, 2013; e.g., Cohen et al., 2003)
- Any prefixes or suffixes needing a literal semicolon will confuse Quarto (actually Pandoc). To make it clear that you need to print a semicolon, put a backslash before the semicolon: (FOIL; Cameron & Trivedi, 2013).

In-Text Citations

- Cameron and Trivedi (2013) said some interesting things.
- Cohen et al. (2003, pp. 101–103) said specific things on specific pages.
- Place the reference's year by itself with a minus sign: (2013)

Masked Citations

Suppose you want to cite a previous reference of yours, but your anonymity is supposed to be protected in the review process. You can "mask" any citation you wish by setting the `mask` field in the metadata yml to `true`. Then list all citations that need to be masked in the `masked-citations` field as shown in this template. If the `mask` field is set to `false`, they will print as usual. Depending if it is an inline or parenthetical citation, will be listed as "Masked Citations (n.d)" or "(Masked Citations, n.d)".

I have set two of my publications to be masked. If you set `mask: true` in the yml metadata, they will appear masked. In previous studies, things were asserted (Schneider & Newman, 2015). Schneider and McGrew (2012) asserted them emphatically.

You can mix masked and unmasked citations (Cohen et al., 2003; Schneider & Newman, 2015).

Setting `mask` to `true` will also remove the authors, affiliations, and author notes from the title page.

Block Quotes and Suppressing Indentation

Sometimes you want to give a longer quote that needs to go in its own paragraph. Block quotes are on their own line starting with the > character. For example, Jane Austen's (1814/1990) *Mansfield Park* has some memorable insights about the mind:

If any one faculty of our nature may be called more wonderful than the rest, I do think it is memory. There seems something more speakingly incomprehensible in the powers, the fail-ures, the inequalities of memory, than in any other of our intelligences. The memory is some-times so retentive, so serviceable, so obedient; at others, so bewildered and so weak; and at others again, so tyrannic, so beyond control! We are, to be sure, a miracle every way; but our powers of recollecting and of forgetting do seem peculiarly past finding out. (p. 163)

If the text after a quote is a new paragraph, you can create it in the usual fashion (i.e., plain text with an empty line between the block text and the new paragraph). However, if the text after a quote is part of the same paragraph, you can suppress the indentation by creating a div with the .NoIndent class. This paragraph is an example of how to do so.

Hypotheses, Aims, and Objectives

The last paragraph of the introduction usually states the specific hypotheses of the study, often in a way that links them to the research design.

Method

General remarks on method. This paragraph is optional.

Not all papers require each of these sections. Edit them as needed. Consult the [Journal Article Reporting Standards](#) for what is needed for your type of article.

Participants

Who are they? How were they recruited? Report criteria for participant inclusion and exclusion. Perhaps some basic demographic stats are in order. A table is a great way to avoid repetition in statistical reporting.

Measures

This section can also be titled **Materials** or **Apparatus**. Whatever tools, equipment, or measurement devices used in the study should be described.

Measure A

Describe Measure A.

Measure B

Describe Measure B.

Procedure

What did participants do?

How are the data going to be analyzed?

Results

Descriptive Statistics

Here we describe the basic characteristics of our primary variables.

Discussion

Describe results in non-statistical terms.

Limitations and Future Directions

Every study has limitations. Based on this study, some additional steps might include...

Conclusion

Let's sum this up.

References

- Austen, J. (1990). *Mansfield Park*. Oxford University Press. (Original work published 1814)
- Cameron, A. C., & Trivedi, P. K. (2013). *Regression analysis of count data* (2nd ed.). Cambridge University Press. <https://doi.org/10.1017/CBO9781139013567>
- Cohen, J., Cohen, P., West, S. G., & Aiken, L. S. (2003). *Applied multiple regression/correlation analysis for the behavioral sciences* (3rd ed.). Lawrence Erlbaum Associates.
- Schneider, W. J., & McGrew, K. S. (2012). *The Cattell-Horn-Carroll model of intelligence*.
- Schneider, W. J., & Newman, D. A. (2015). Intelligence is multidimensional: Theoretical review and implications of specific cognitive abilities. *Human Resource Management Review*, 25(1), 12–27.

Appendix

If there are multiple appendices, label them with level 1 headings as Appendix A, Appendix B, and so forth.