EXAMPLE TEMPLATE REPORT

SUPERCOOL SUBTITLE

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2024-06-21

Table of contents

Introduction Section

In the qmd document + the template, you can see I have a 4th level section header formatted as a linebreak.

This is a simple test report to illustrate quarto is working and various libraries are installed. Lets see how a table looks!

Table 1: Simple Table

x	y
1	a
2	b
3	c

You can also reference values inline now for python, such as the mean of x is 2.0. (Although they cannot be used with cached outputs!). This is what a table looks like when directly printing the dataframe:

	x	y
0	1	a
1	2	b
2	3	c

Here is a quote:

> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras bibendum sapien et vestibulum viverra. Nam eros nibh, tristique at fermentum eu, rutrum id magna. Ut vulputate consectetur orci at malesuada. Maecenas finibus ligula quis ex pretium, tincidunt mattis lectus rhoncus. Praesent mi nunc, egestas nec tempor vitae, consectetur vel erat.

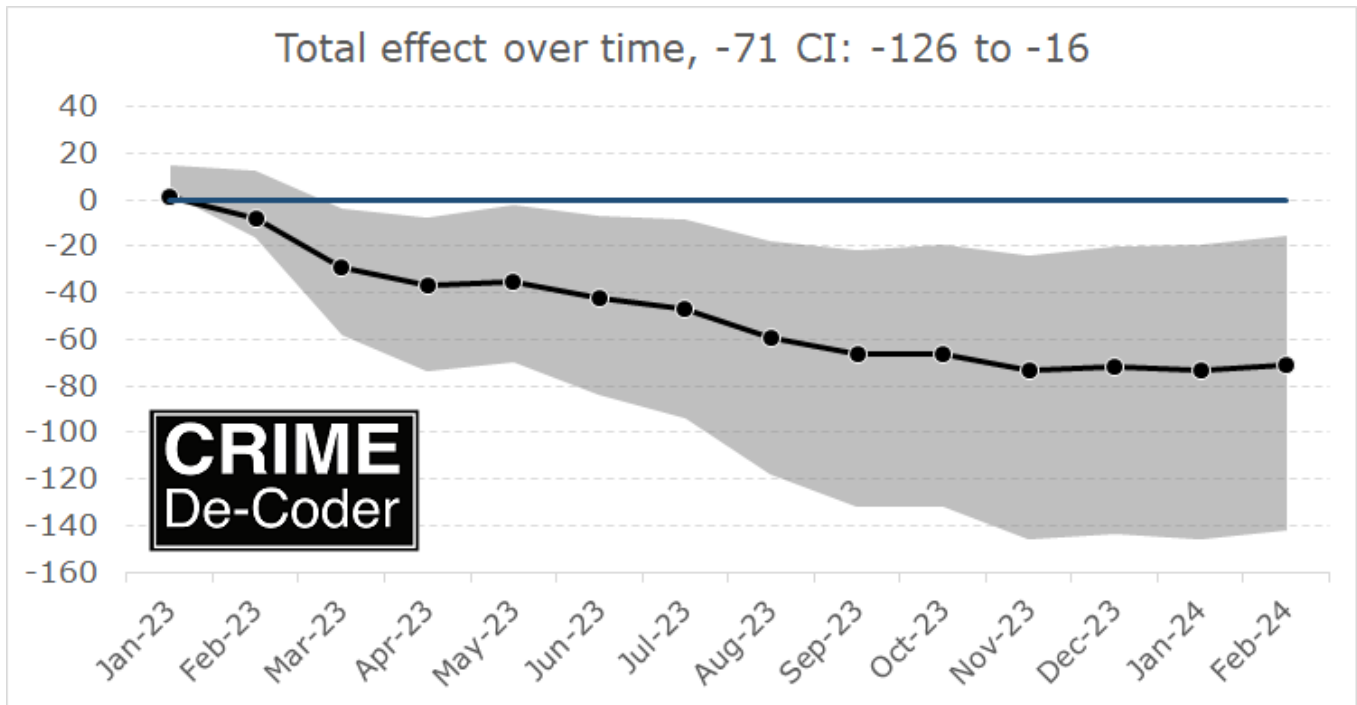Here is what a bullet list looks like:

- abc
- def
- xyz

Section 2

Here is what a numbered list looks like:

1) Yeah
2) Super
3) Cool

Here is an inserted image (from online!).

Label and Whateverlabel with a hyperlink

This is what a hyperlink looks like in text, my data science portfolio, don't click the link in the word doc!

You can insert extra line breaks in markdown by escaping a line. One line-break:

Two line breaks

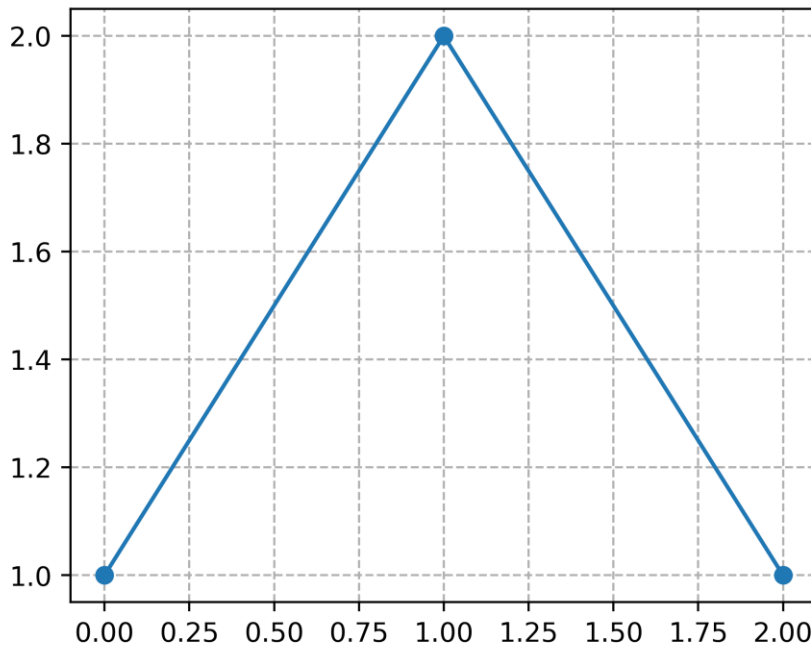Inline code `abc = 123`. And a code block:

```
import random
random.random()
x, y = 1, 2
print(x,y)
```

You can put a code block directly and get code highlighting:

```python
import random
random.random()
x, y = 1, 2
print(x,y)
```
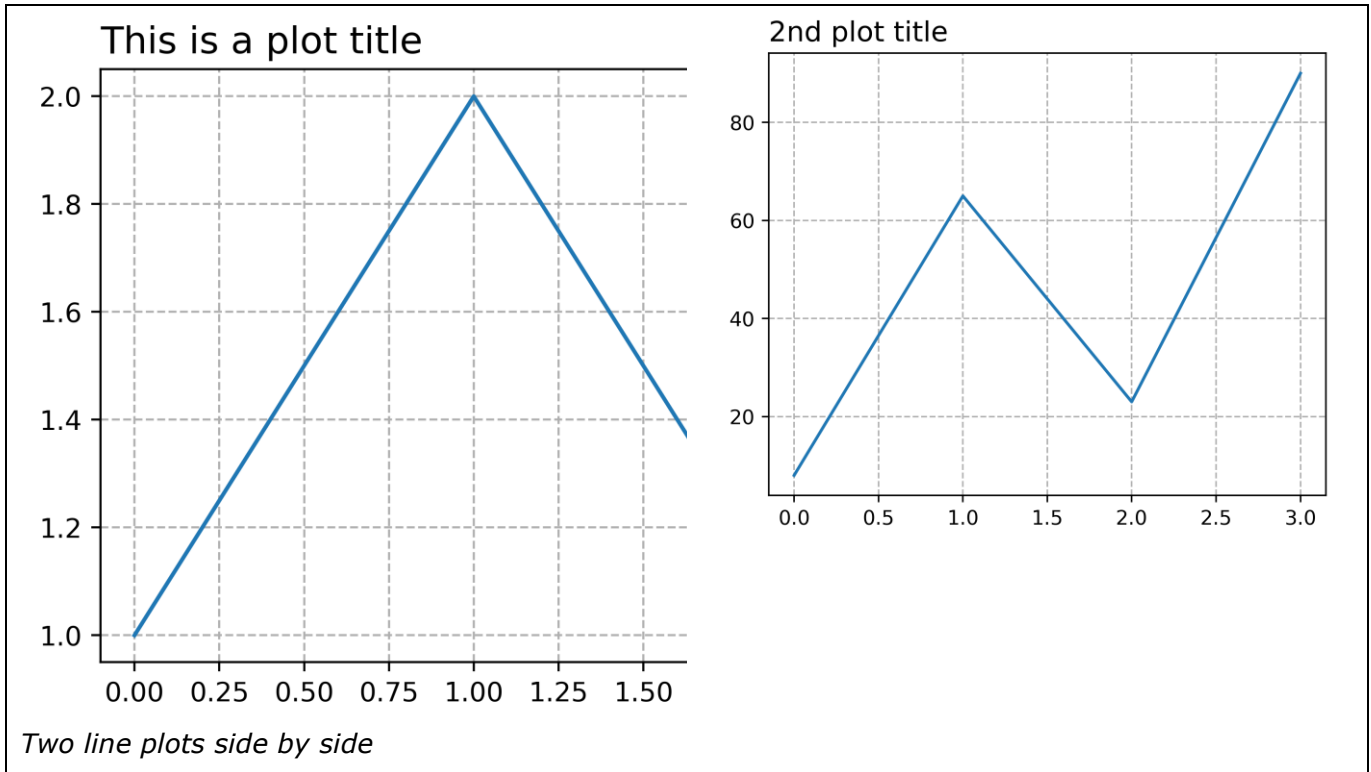
A subsection!

Lets see what a plot looks like:

A line chart caption

When you do two plots side by side, or the more general multi-layouts, it places them via a table in Quarto. So you get the outline unfortunately inherited from my base table format.

Two line plots side by side

I don't know of a way to solve this nicely – if you have need for complex layouts (but don't care about an outline for a table), that would be more acceptable.

Footnotes

Here is an inline note.[1]

Here is a footnote reference,[2] and another.[3]

This paragraph won't be part of the note, because it isn't indented.

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[1] Inlines notes are easier to write, since you don't have to pick an identifier and move down to type the note. I have taken the examples from this section from the *Quarto* documentation.

[2] Here is the footnote.

[3] Here's one with multiple blocks.

Subsequent paragraphs are indented to show that they belong to the previous footnote.

```
{ some.code }
```

The whole paragraph can be indented, or just the first line. In this way, multi-paragraph footnotes work like multi-paragraph list items.

A Superlong table

This is an example of creating a table that spans multiple pages. My default template handles this gracefully!

Table ?: Super Long Table

x	y	z
0	whatever	0.34
1	hacker	0.38
2	whatever	0.80
3	abc	0.32
4	xyz	0.06
5	whatever	0.19
6	abc	0.49
7	xyz	0.55
8	hacker	0.73
9	whatever	0.73
10	toolegit	0.79
11	abc	0.56
12	abc	0.05
13	whatever	0.94
14	abc	0.09
15	abc	0.89
16	xyz	0.17
17	hacker	0.78
18	whatever	0.37
19	whatever	0.42
20	abc	0.99
21	xyz	0.59
22	hacker	0.02
23	toolegit	0.36
24	xyz	0.07
25	whatever	0.03
26	whatever	0.53
27	toolegit	0.02
28	whatever	0.42
29	abc	0.87
30	toolegit	0.15
31	toolegit	0.47
32	xyz	0.07

x	y	z
33	hacker	0.87
34	whatever	0.36
35	abc	0.01
36	abc	0.83
37	whatever	0.45
38	toolegit	0.31
39	abc	0.97

Mathy

So we have $x = 2$ as an example inline math. For a math equation, we have:

$$\mathbb{V}(X) = \mathbb{E}(X)^2 + \mathbb{E}(X^2)$$

Not sure about multi-line, or numbering equations offhand. I do not see how to set the default format for math to be a somewhat bigger font? (But default I like the math Cambria.)

Reference Notes

Citation, Doe (2005) says blah (Doe 2005, 2006). For a specific page quote (Doe 2005, 34–35).

For a list of csl files, see here.

ToDo!

Anything else I should put in here – let me know!

My References

Doe, John. 2005. *First Book*. Cambridge: Cambridge University Press.

———. 2006. "Article." *Journal of Generic Studies* 6:33–34.

Wheeler, Andrew P, Dae-Young Kim, and Scott W Phillips. 2018. "The Effect of Housing Demolitions on Crime in Buffalo, New York." *Journal of Research in Crime and Delinquency* 55 (3): 390–424.