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An RMarkdown template for a preprint recommended by one of the Peer Communities In

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Abstract

Write your abstract here in a single paragraph, no line breaks. This is the abstract.
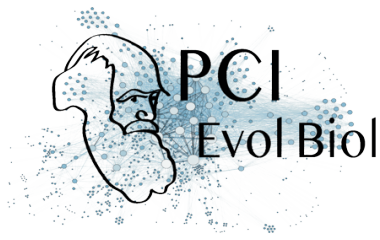
Keywords: one, two, optional, optional, optional

Introduction

Note the use of {-} in headers in the code to suppress automatic header numbering. Do not forget it when you add your own custom headers and subheaders!

This is an example of text. This is an example of citation (Levins and Culver, 1971). If you want to format your citations with authors outside parentheses, you can too: "Levins and Culver (1971) once wrote something important".

And now, some filler text. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

In their study, FamilynameOne et al. (2019) combine mathematical analysis, Individual-Based simulations and experiments to study expansions. At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga. Et harum quidem rerum facilis est et expedita distinctio. Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime placeat facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates repudiandae sint et molestiae non recusandae. Itaque earum rerum hic tenetur a sapiente delectus, ut aut reiciendis voluptatibus maiores alias consequatur aut perferendis doloribus asperiores repellat

Methods

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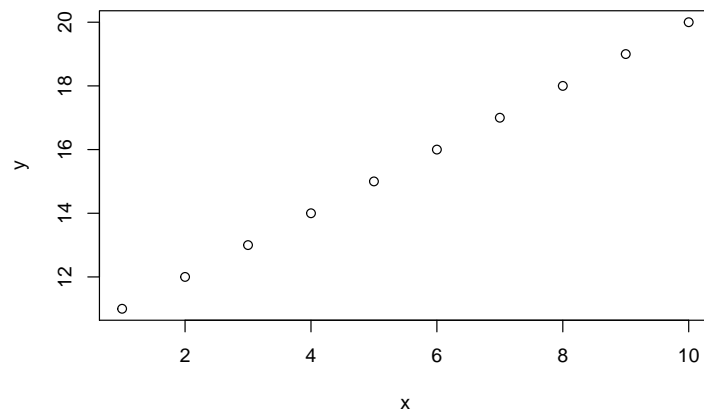
Figure 1. A good figure, generated directly from code within the RMarkdown document

Statistical analyses

See how to create headers and various levels of subheaders with #.

Markdown documents can use LaTeX syntax to display equations, either inline: $y_i = x$, or as their own equation block:

$$y_i = x$$

Results

This is your Results part. Results are sometimes displayed in tables. Tables can be included in several ways. **The preferred method for this template** is through the use of the `kable` package and its extensions, like `kableExtra` for restyling. Other methods, like inputting a Markdown table directly in the text, have been known to lead to pagination bugs in some cases, that have not been ironed out yet.

Note in the code where the caption is, and that tables are automatically numbered in the order of their introduction (independently of the chunk label).

Tables and figures can be cross-referenced using the `\@ref(a:b)` syntax, where *a* is the object type ("tab" for tables, "fig" for figures, "eqn" for equations) and *b* the label of the corresponding chunk. For instance, see Table 1.

One can also easily add figures, either directly generated with code in-file (like Fig.1), or imported (like Figs.2-3). There are several ways to import figures in RMarkdown; the preferred way in this template is to use `include_figures()` within a chunk. This makes in particular figure scaling much easier, and allows you to import pdf files as figures.

Table 1. This is a table

	mpg	cyl	disp	hp
Mazda RX4	21.0	6	160	110
Mazda RX4 Wag	21.0	6	160	110
Datsun 710	22.8	4	108	93
Hornet 4 Drive	21.4	6	258	110
Hornet Sportabout	18.7	8	360	175
Valiant	18.1	6	225	105

Table 2. This is also a table, but with vertical lines kept

|	drat	wt	qsec	vs
Mazda RX4	3.90	2.620	16.46	0
Mazda RX4 Wag	3.90	2.875	17.02	0
Datsun 710	3.85	2.320	18.61	1
Hornet 4 Drive	3.08	3.215	19.44	1
Hornet Sportabout	3.15	3.440	17.02	0
Valiant	2.76	3.460	20.22	1

Figures will place themselves in order of their introduction in the code, but where there is room, so not necessarily where you placed them *relative to text*. Play with structure to obtain the effect you want.

Discussion

Some filler text again. At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi
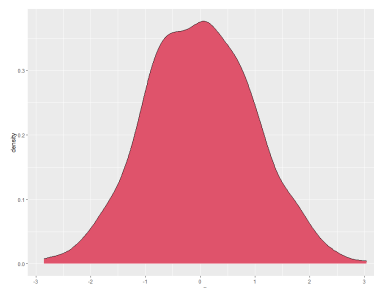

Figure 2. A great figure
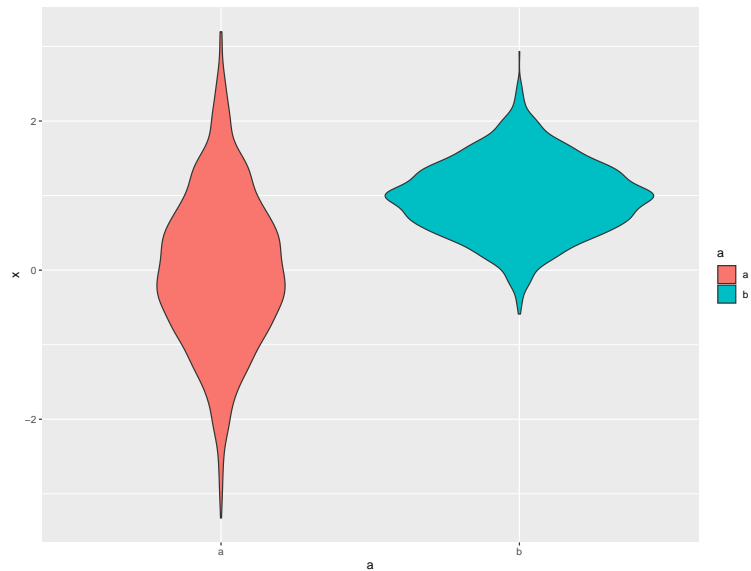
Figure 3. A figure, but imported for a pdf source. Advantages: never pixelated, even when zooming in; also, text is selectable

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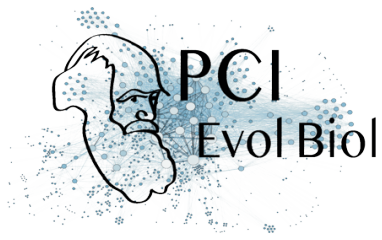
Data accessibility

Data are available online: link and/or DOI of the webpage hosting the data

Supplementary material

Script and codes are available online: link and/or DOI of the webpage hosting the script and codes

Acknowledgements

This is where you place your Acknowledgements (may include funding sources; or that can be in its separate section).

Conflicts of interest disclosure

The authors of this preprint declare that they have no financial conflict of interest with the content of this article. XXX and XXX are recommenders for PCI XXX

References

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FamilynameOne F, F FamilynameTwo, and F FamilynameThree (2019). title of the preprint. *preprint server* number, ver. xx peer-reviewed and recommended by *PCI XXX*. https://doi.org/xx.xxxx/xxxxx.

Levins R and D Culver (1971). Regional coexistence of species and competition between rare species. *Proceedings of the National Academy of Sciences* 68, 1246–1248. https://doi.org/10.1073/pnas.68.6.1246.

Shigesada N and K Kawasaki (1997). *Biological invasions: theory and practice*. Oxford University Press, UK.

Appendix

This is your appendix 1 or the link to appendix 1
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