A Super Cool Study

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Abstract

This study found some pretty cool results that have both high impact and important clinical implications. For example …

Plain Language Summary

The ARC produces some of the best science around! …

Introduction

You can write your text using markdown.

Top level section headings use ##

Notice use of curly braces to label a section if you want to later cross-reference to it. #sec- is required as part of the label

Sub-heading Demo

You can use sub-headings in your paper as well

Symbols and Equations

You can use quarto inline or display math equations as needed. Quarto provides details on the use of these equations.

For example x and y are two variables. And here is an important formula:

$$p(x) = \frac{e^{-\lambda}\lambda^x}{x!}$$

Tables

Tables are generally created and output from notebooks in the /notebooks folder. You can then embed these tables in your manuscript.

Table 1: Table 1. A table.

	Group 1		Group 2		Group 3
	mpg	cyl	disp	hp	drat
Mazda RX4	21.0	6	160.0	110	3.90
Mazda RX4 Wag	21.0	6	160.0	110	3.90
Datsun 710	22.8	4	108.0	93	3.85
Hornet 4 Drive	21.4	6	258.0	110	3.08
Hornet Sportabout	18.7	8	360.0	175	3.15
Valiant	18.1	6	225.0	105	2.76
Duster 360	14.3	8	360.0	245	3.21
Merc 240D	24.4	4	146.7	62	3.69
Merc 230	22.8	4	140.8	95	3.92
Merc 280	19.2	6	167.6	123	3.92

Source: Tables

Alternatively, this is an example of a simple table that is hard-coded using markdown table format. We don't recommend this for tables built from data. Tables values should come directly from data so they don't need to be typed in and will update if your data change. However, you may have other uses for simple tables where this method is helpful.

Table 2: Recent historic eruptions on La Palma

Name	Year
Current	2021
Teneguía	1971
Nambroque	1949
El Charco	1712
Volcán San Antonio	1677
Volcán San Martin	1646
Tajuya near El Paso	1585
Montaña Quemada	1492

Figures

Figures are also generally created in separate notebooks and embedded into your manuscript.

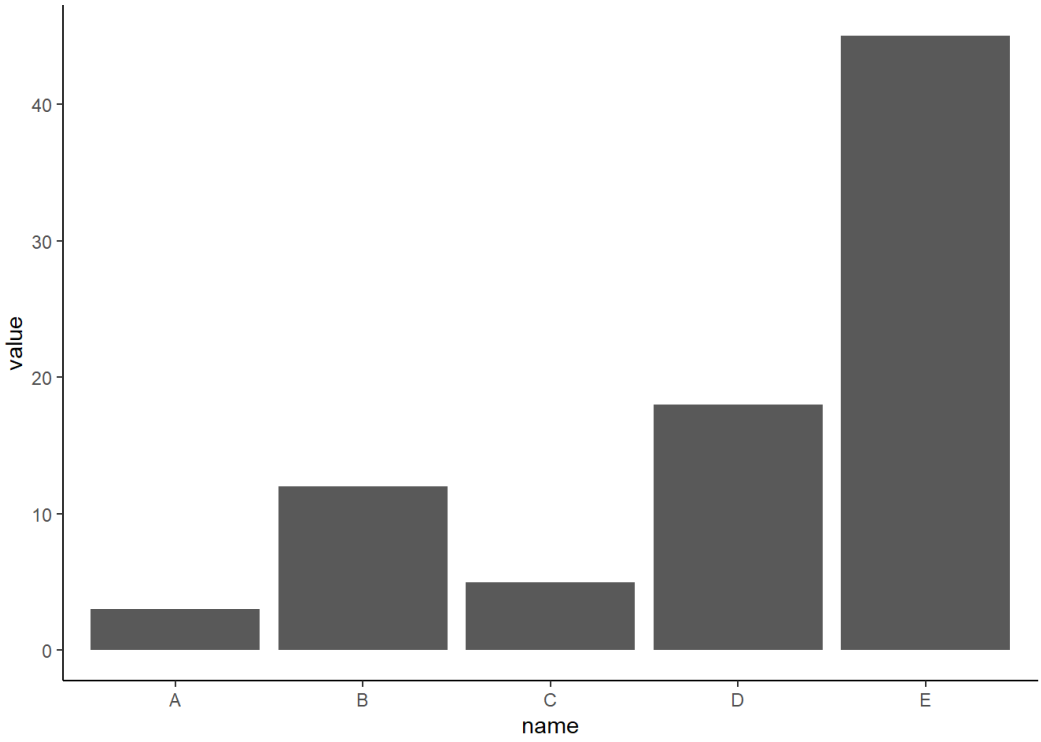

Figure 1: A Basic Barplot Figure

Source: Figure 1

We can also insert image files directly into our manuscript using images that are saved in the /images folder

References

We can use cite relevant research in multiple formats. The two most common are:

- Marrero et al. (2019) concluded something.

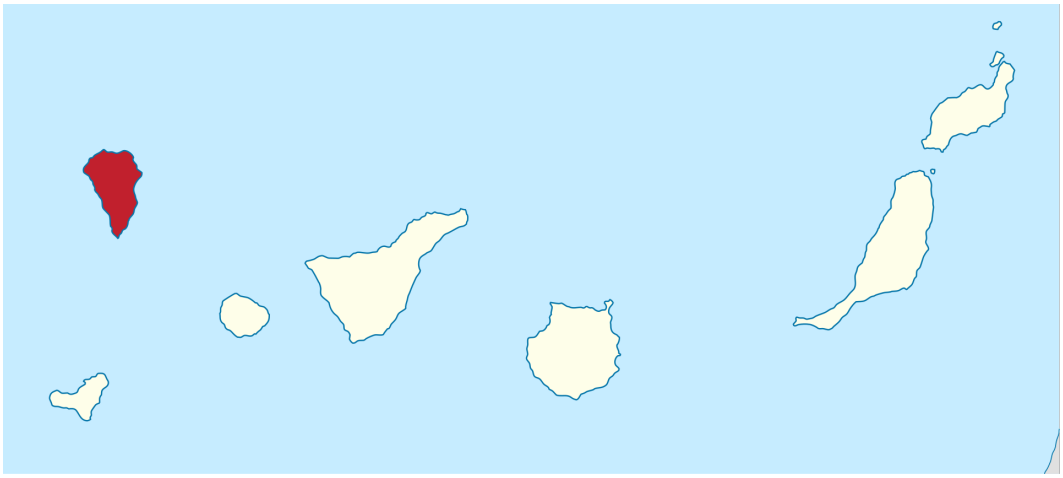

Figure 2: Map of La Palma

- These are the conclusions(Marrero et al., 2019).

Article references are stored in a .bib file using betterbibtex (BBT) format. We create these references in Zotero collections.

Although we don't do this regularly I think, if needed you can

- reference other sections in the paper (e.g., Methods are described in Section)
- reference figures elsewhere using the @ symbol. Here is a reference to Figure 1

Methods

Results

To add results that are not figures or tables, you will need to open the analysis objects you saved from these analyses. See lm.qmd as an example. Generally you will open csv files that contain tidied results. For example

Source: Article Notebook

A significant effect of speed was observed ($\beta = 3.9$, t = 9.46, p = 0.000).

NOTES:

- We should write a function that works with tidied coeffs tables and takes the row, column, and number of decimal places to make this code simpler.
- This table doesnt contain df. Need to add that to table when saving in lm

Discussion

References

Marrero, J., García, A., Berrocoso, M., Llinares, Á., Rodríguez-Losada, A., & Ortiz, R. (2019). Strategies for the development of volcanic hazard maps in monogenetic volcanic fields: The example of La Palma (Canary Islands). *Journal of Applied Volcanology*, *8*. https://doi.org/10.1186/s13617-019-0085-5