Article Template

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Abstract

The abstract serves both as a general introduction to the topic and as a brief, non-technical summary of the main results and their implications. Authors are advised to check the author instructions for the journal they are submitting to for word limits and if structural elements like subheadings, citations, or equations are permitted.

Keywords: template, demo

1 Introduction

This template is based on the quarto template provided by Christopher Kenny. Note a range of different templates are available with various options: consult https://github.com/christopherkenny/nature

Your question. why we care

Your findings and the contribution

Roadmap

2 Motivation: Theory, Literature

You can use LaTeXnatively. See Equation 1.

$$f(x) = -\frac{1}{2}(1-x)^2 \tag{1}$$

3 Results

Tables and Figures can be produced on the fly or imported.

3.1 A sample figure

Here is figure produced on the fly. See Figure 1. Code is shown but you would hide this by setting `echo: false`

```
read_rds("data/data.rds") |>
  ggplot(aes(X, Y)) + geom_point()
```

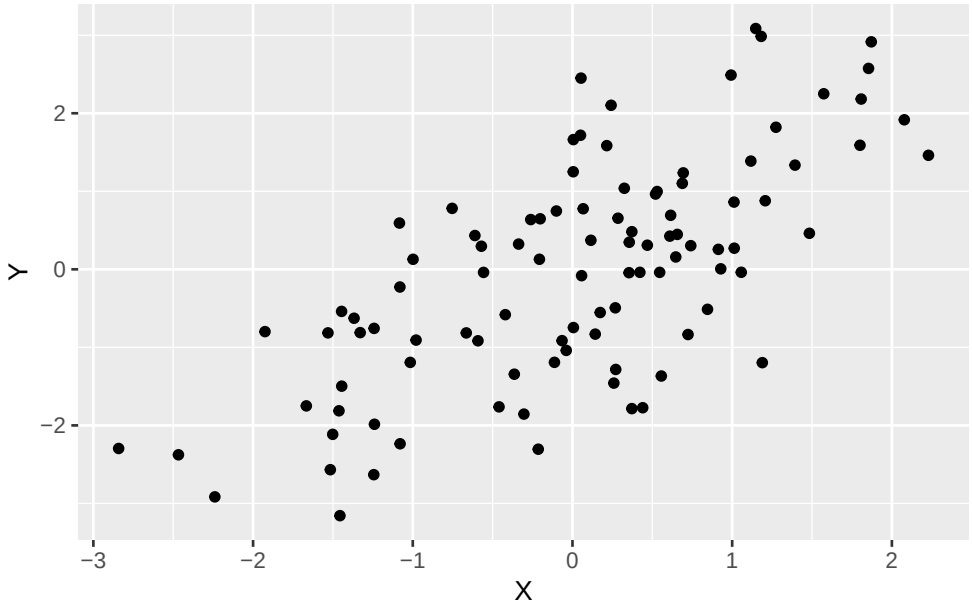

Figure 1: sample figure

3.2 A sample summary stats table

Produced on the fly. See Table 1.

```
read_rds("data/data.rds") |>
  summarize(`mean Y` = mean(Y),
            `mean X` = mean(X),
            correlation = cor(X, Y)) |>
  kable(digits = 2, caption = "A sample table")
```

Table 1: A sample table

mean Y	mean X	correlation
-0.03	0.02	0.69

3.3 Analysis in parallel

Produced on the fly.

```
# generate a list of models
two_models <-
  list(
  lm_robust(Y~1, data = read_rds("data/data.rds")),
  lm_robust(Y~X, data = read_rds("data/data.rds")))
```

```
# print nicely
two_models|>
  modelsummary(caption = ": some analyses", note = "some notes")
```

	(1)	(2)
(Intercept)	−0.033	−0.050
	(0.143)	(0.104)
X		0.941
		(0.083)
Num.Obs.	100	100
R2	0.000	0.478
R2 Adj.	0.000	0.473
AIC		295.7
BIC		303.6
RMSE		1.03

some notes

3.4 Analysis output

Then print. Here using `modelsummary`. Lots of scope for customization: https://modelsummary.com/articles/appearance.html

4 Referencing and cross referencing

4.1 Cross Referencing

- To reference a figure with example label "plot", use e.g. `@fig-plot`. Figure 1
- Analogously, to reference a table with example label "data", use e.g. `@tbl-data`. Table 1.
- To reference a section, such as the Introduction (Section 1), use e.g. `@sec-intro`.
- To reference an equation, same (Equation 1), use e.g. `@eq-euclid`.

For complete information on cross referencing with Quarto, see https://quarto.org/docs/authoring/cross-references.html.

4.2 Citations

- For a citation in parentheses use `[@putnam2000bowling]` and for a text citation: `@putnam2000bowling`.
- These render as (Putnam 2000) and Putnam (2000)

Multiple citations can be given as `[@putnam2000bowling;@blair2023research]`, producing (Putnam 2000; Blair et al. 2023)

5 References

Blair G, Coppock A, Humphreys M (2023) Research design in the social sciences: Declaration, diagnosis, and redesign. Princeton University Press

Putnam RD (2000) Bowling alone: America's declining social capital. In: Culture and politics. Springer, pp 223–234