

# 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>

1. Your question. Why we care
2. Your strategy, findings and the contribution
3. Roadmap

Some people use commenting in the text to ensure that each paragraph has a purpose

# question

Why is it that...

# strategy

To address this question I ...

# etc

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## 2 Motivation: Theory, Literature

Describe literature that sheds light on why your project is important, clarifying what is known or not

You can use  $\LaTeX$ natively. See Equation [1](#).

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

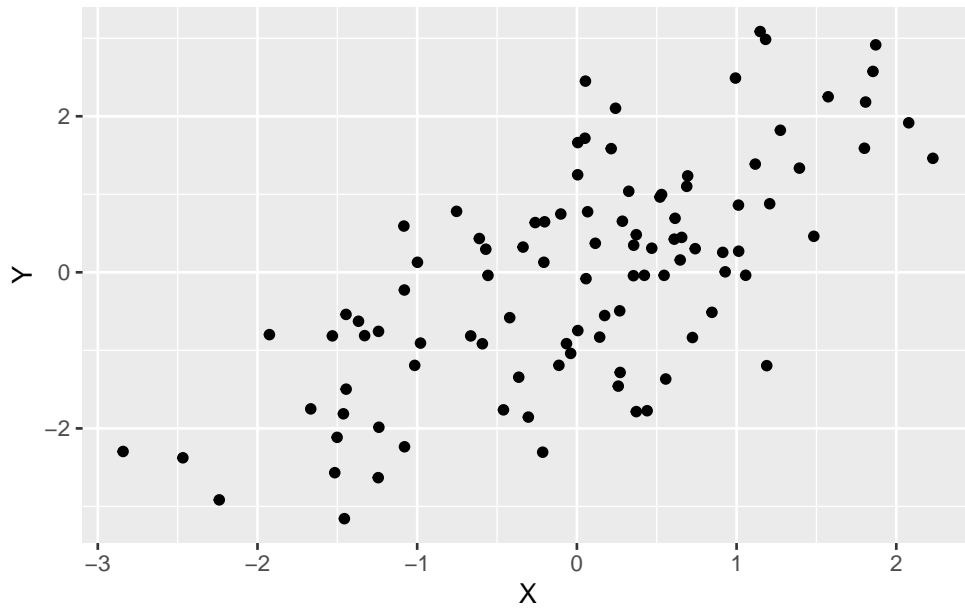
### 3 Results

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<br>(0.143) | −0.050<br>(0.104) |
| X           |                   | 0.941<br>(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 Discussion: 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 Conclusion

- Recap of what was learned
- Caveats
- Implications: for policy, for research
- (Perhaps: Next steps)

## 6 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

## **Appendixes**

### **A Appendix section**

Details of the first appendix section.

#### **A.1 Appendix subsection**

text

#### **A.2 Another subsection**

text

### **B More**

Text