

# Short Paper

Alice Anonymous<sup>a,1,\*</sup>, Bob Security<sup>b,2</sup>, Cat Memes<sup>b,3</sup>, Derek Zoolander

<sup>a</sup>*Some Institute of Technology, Street Address, City, Postal Code,*

<sup>b</sup>*Another University, Street Address, City, Postal Code,*

---

## Abstract

This is the abstract.

It consists of two paragraphs.

*Keywords:* keyword1, keyword2

---

Please make sure that your manuscript follows the guidelines in the Guide for Authors of the relevant journal. It is not necessary to typeset your manuscript in exactly the same way as an article, unless you are submitting to a camera-ready copy (CRC) journal.

For detailed instructions regarding the elsevier article class, see <https://www.elsevier.com/authors/policies-and-guidelines/latex-instructions>

## 1. Bibliography styles

Here are two sample references: Feynman and Vernon Jr. [1963; 1].

By default, natbib will be used with the `authoryear` style, set in `classoption` variable in YAML. You can set extra options with `natbiboptions` variable in YAML header. Example

```
natbiboptions: longnamesfirst,angle,semicolon
```

There are various more specific bibliography styles available at [https://support.stmdocs.in/wiki/index.php?title=Model-wise\\_bibliographic\\_style\\_files](https://support.stmdocs.in/wiki/index.php?title=Model-wise_bibliographic_style_files). To use one of these, add it in the header using, for example, `biblio-style: model1-num-names`.

### 1.1. Using CSL

If `cite-method` is set to `citeproc` in `elsevier_article()`, then pandoc is used for citations instead of `natbib`. In this case, the `cs1` option is used to format the references. By default, this template will provide an appropriate style, but alternative `cs1` files are available from <https://www.zotero.org/styles?q=elsevier>. These can be downloaded and stored locally, or the url can be used as in the example header.

---

\*Corresponding author

*Email addresses:* `alice@example.com` (Alice Anonymous), `bob@example.com` (Bob Security), `cat@example.com` (Cat Memes), `derek@example.com` (Derek Zoolander)

<sup>1</sup>This is the first author footnote.

<sup>2</sup>Another author footnote, this is a very long footnote and it should be a really long footnote. But this footnote is not yet sufficiently long enough to make two lines of footnote text.

<sup>3</sup>Yet another author footnote.

## 2. Equations

Here is an equation:

$$f_X(x) = \left(\frac{\alpha}{\beta}\right) \left(\frac{x}{\beta}\right)^{\alpha-1} e^{-\left(\frac{x}{\beta}\right)^\alpha}; \alpha, \beta, x > 0.$$

Inline equations work as well:  $\sum_{i=2}^{\infty} \{\alpha_i^\beta\}$

## 3. Figures and tables

Figure 1 is generated using an R chunk.

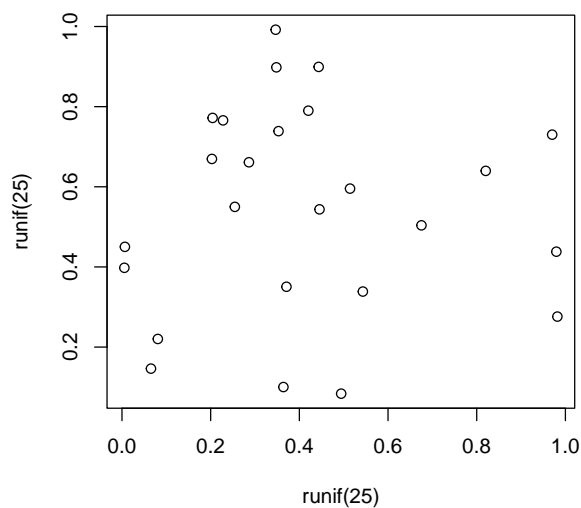


Figure 1: A meaningless scatterplot

## 4. Tables coming from R

Tables can also be generated using R chunks, as shown in Table 1 example.

```
knitr::kable(head(mtcars)[,1:4])
```

Table 1: Caption centered above 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

	mpg	cyl	disp	hp
Valiant	18.1	6	225	105

## References

- [1] Dirac, P.A.M., 1953. The Lorentz transformation and absolute time. *Physica* 19, 888–896. doi:[10.1016/S0031-8914\(53\)80099-6](https://doi.org/10.1016/S0031-8914(53)80099-6).
- [2] Feynman, R.P., Vernon Jr., F.L., 1963. The theory of a general quantum system interacting with a linear dissipative system. *Annals of Physics* 24, 118–173. doi:[10.1016/0003-4916\(63\)90068-X](https://doi.org/10.1016/0003-4916(63)90068-X).