Short Paper

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Abstract

This is the abstract.

It consists of two paragraphs.

Keywords: keyword1, keyword2

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1. Bibliography styles

Here are two sample references: Feynman and Vernon Jr. (1963; Dirac, 1953).

By default, natbib will be used with the authoryear style, set in classoption variable in YAML and with elsearticle-harv.bst which is among provided style by elsarticle documentclass. Other available style are elsarticle-num.bst and elsarticle-num-names.bst — the first one can be used for the numbered scheme, second one for numbered with new options of natbib.sty.

You can sets 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. To use one of these, add it in the header using, for example, biblio-style: model1-num-names.

1.1. Using CSL

If citation_package is set to default in elsevier_article(), then pandoc is used for citations instead of natbib. In this case, the csl option is used to format the references. Alternative csl 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.

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 $^{^2}$ Another author footnote.

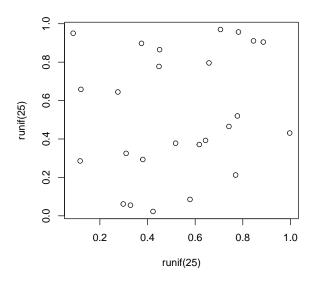


Figure 1: A meaningless scatterplot.

2. Equations

Here is an equation:

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

Here is another:

$$a^2 + b^2 = c^2. (1)$$

In line equations: $\sum_{i=2}^{\infty}\{\alpha_i^{\beta}\}$

3. Figures and tables

Figure 1 is generated using an R chunk.

4. Tables coming from R

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

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
Valiant	18.1	6	225	105

References

Dirac, P.A.M., 1953. The Lorentz transformation and absolute time. Physica 19, 888–896. doi:10.1016/S0031-8914(53)80099-6. 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.