

Example article title

Nathan C. Sheffield

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Abstract

Vivamus eu rhoncus neque. Quisque egestas venenatis odio a mattis. Ut ligula turpis, facilisis a cursus eget, semper quis dolor. Integer varius est ipsum, porttitor ornare eros placerat eget. Nulla aliquet nisi arcu, sed vestibulum urna faucibus pretium. Maecenas laoreet diam non urna tincidunt iaculis a ut ex. Aenean sem enim, laoreet id accumsan sed, faucibus vitae diam. Aenean facilisis tincidunt risus. Mauris sit amet hendrerit est, sit amet maximus augue.

Citations

Cite papers using brackets and `bibtex` keys. Example citation: `[@Sheffield2016]` will be rendered like this¹. Use semicolons to separate multiple citations^{1,2}.

Figures

Refer to a figure using figure labels, so they are numbered automatically, like this: `\ref{abstract}` (See Fig. 1). Wrap a figure using the `pandoc-wrapfig` extension by adding `{0}` to the end of the caption (Fig. 2).

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Fig. 2: Example wrapped figure



Fig. 1: Example full-width figure

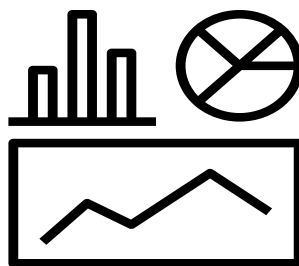


Fig. 3: Example double-column figure

laoreet id accumsan sed, faucibus vitae diam. Aenean facilisis tincidunt risus. Mauris sit amet hendrerit est, sit amet maximus augue.

Tables

One-column table

| Flag | Indication |
|------|--------------------|
| 1 | CONTENT-ALL-A-IN-B |
| 2 | CONTENT-ALL-B-IN-A |
| 4 | LENGTHS-ALL-A-IN-B |
| 8 | LENGTHS-ALL-B-IN-A |
| 16 | NAMES-ALL-A-IN-B |
| 32 | NAMES-ALL-B-IN-A |
| 64 | CONTENT-A-ORDER |
| 128 | CONTENT-B-ORDER |

Table 1: **Compatibility flags** Parameter combinations used in the analysis and their results.

A two-column table

You can do a two-column table using the `\begin{table*}` environment. See Table 2.

Markdown tables

You can use markdown tables, too...sort of. Pandoc renders markdown tables with the `longtable` package. But `longtable` is not compatible with a two-column template. So, there are a few hacks and workarounds, but nothing works really well. The best thing I have found works *sometimes* – but then occasionally it just gobbles up text and figures silently. So, I suggest using latex templates until this issue is solved:

<https://github.com/jgm/pandoc/issues/1023>

Another issue is that Captions are preceded by the *Table* keyword. Unfortunately, I can't figure out how to put the caption below the table (it's above it by default).

Lorem ipsum

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| parameter set | add | drop | shift | Jaccard mean | Coverage mean | Euclidean mean | Cosine mean |
|---------------|-----|------|-------|--------------|---------------|----------------|-------------|
| add1 | 0.1 | 0.0 | 0.0 | 0.909 | 0.981 | 0.939 | 0.988 |
| add2 | 0.2 | 0.0 | 0.0 | 0.833 | 0.964 | 0.914 | 0.977 |
| add3 | 0.3 | 0.0 | 0.0 | 0.769 | 0.951 | 0.895 | 0.966 |
| drop1 | 0.0 | 0.1 | 0.0 | 0.900 | 0.950 | 0.883 | 0.954 |
| drop2 | 0.0 | 0.2 | 0.0 | 0.800 | 0.900 | 0.834 | 0.905 |
| drop3 | 0.0 | 0.3 | 0.0 | 0.700 | 0.850 | 0.796 | 0.852 |
| shift1 | 0.0 | 0.0 | 0.2 | 0.941 | 0.902 | 0.979 | 0.998 |
| shift2 | 0.0 | 0.0 | 0.5 | 0.860 | 0.756 | 0.966 | 0.996 |
| shift3 | 0.0 | 0.0 | 0.8 | 0.785 | 0.610 | 0.957 | 0.994 |
| add_drop1 | 0.1 | 0.1 | 0.0 | 0.942 | 0.933 | 0.874 | 0.946 |
| add_drop2 | 0.1 | 0.2 | 0.0 | 0.840 | 0.886 | 0.831 | 0.901 |
| add_drop3 | 0.1 | 0.3 | 0.0 | 0.737 | 0.838 | 0.795 | 0.852 |
| add_drop4 | 0.2 | 0.1 | 0.0 | 0.783 | 0.920 | 0.865 | 0.939 |
| add_drop5 | 0.2 | 0.2 | 0.0 | 0.878 | 0.886 | 0.827 | 0.898 |
| add_drop6 | 0.2 | 0.3 | 0.0 | 0.772 | 0.828 | 0.795 | 0.852 |
| add_drop7 | 0.3 | 0.1 | 0.0 | 0.736 | 0.910 | 0.857 | 0.932 |
| add_drop8 | 0.3 | 0.2 | 0.0 | 0.693 | 0.867 | 0.824 | 0.894 |
| add_drop9 | 0.3 | 0.3 | 0.0 | 0.807 | 0.828 | 0.795 | 0.851 |
| shift_drop1 | 0.0 | 0.1 | 0.2 | 0.850 | 0.857 | 0.882 | 0.953 |
| shift_drop2 | 0.0 | 0.1 | 0.5 | 0.779 | 0.718 | 0.879 | 0.950 |
| shift_drop3 | 0.0 | 0.1 | 0.8 | 0.714 | 0.579 | 0.877 | 0.949 |
| shift_drop4 | 0.0 | 0.2 | 0.2 | 0.758 | 0.812 | 0.833 | 0.904 |
| shift_drop5 | 0.0 | 0.2 | 0.5 | 0.765 | 0.767 | 0.832 | 0.902 |
| shift_drop6 | 0.0 | 0.2 | 0.8 | 0.642 | 0.548 | 0.830 | 0.900 |
| shift_drop7 | 0.0 | 0.3 | 0.2 | 0.665 | 0.767 | 0.795 | 0.851 |
| shift_drop8 | 0.0 | 0.3 | 0.5 | 0.615 | 0.643 | 0.794 | 0.849 |
| shift_drop9 | 0.0 | 0.3 | 0.8 | 0.568 | 0.518 | 0.793 | 0.847 |

Table 2: Parameter combinations used in the analysis and their results.

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Embedded LaTeX

You can insert `latex` in-line in the markdown document: $rList[I_E] \leq q.start$

Or you can create separate environments like this:

Algorithm examples

These examples use the `algorithmic` environment (from the `algorithmcx` package:)

Require: $n \geq 0$

Ensure: $y = x^n$

$y \leftarrow 1$

$X \leftarrow x$

$N \leftarrow n$

while $N \neq 0$ **do**

if N is even **then**

$X \leftarrow X \times X$

$N \leftarrow \frac{N}{2}$

▷ This is a comment

else if N is odd **then**

$y \leftarrow y \times X$

$N \leftarrow N - 1$

end if

end while

1: **repeat**

▷ forever

2: this

3: **until** you die.

This example uses the `algorithm` environment:

Algorithm 1 Euclid's algorithm

1: **procedure** EUCLID(a, b)

▷ The g.c.d. of a and b

2: $r \leftarrow a \bmod b$

3: **while** $r \neq 0$ **do**

▷ We have the answer if r is 0

4: $a \leftarrow b$

5: $b \leftarrow r$

6: $r \leftarrow a \bmod b$

7: **end while**

8: **return** b

▷ The gcd is b

9: **end procedure**

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Nam aliquam ex non accumsan efficitur. Nullam vehicula lorem vitae porttitor pellentesque. Fusce a tristique mi, sed congue velit. Nullam at ornare quam. Proin hendrerit accumsan ipsum, sed viverra velit vehicula sit amet. Donec non lectus diam. Sed condimentum non velit vel suscipit. Sed odio ex, vestibulum ullamcorper odio sit amet, lobortis accumsan risus. Nulla facilisi. Mauris eleifend viverra metus, ac varius lacus scelerisque non.

1. Sheffield, N. C. & Bock, C. LOLA: Enrichment analysis for genomic region sets and regulatory elements in R and Bioconductor. *Bioinformatics* **32**, 587–589 (2016).
2. Sheffield, N. C., Nagraj, V. & Reuter, V. simpleCache: R caching for reproducible, distributed, large-scale projects. *The Journal of Open Source Software* **3**, 463 (2018).