Editorial

ReScience Article Template

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Abstract This article is a proposition for a new article template for both the ReScience C (computational replication) and ReScience X (experimental replication, upcoming) journals. It is loosely based after Edward Tufte's book style where the large left column contains the main text and the right column is used for auxiliary informations such as notes, captions or references. The template requires a standard TeXLive installation in order to compile it and this PDF has been compiled using TeXLive 2017 (pdflatex). Both the style, the layout and the colors of the template aim at giving ReScience a strong but subtle identity.

Keywords: Latex, Template, ReScience

A replication of Visual Explanations: Images And Quantities, Evidence And Narrative, Edward R. Tufte, Graphics Press, 1997.

Code: https://github.com/ReScience/ReScience-template

Non peer-reviewed author version
Received 24 May 2018

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Competing Interests: The authors have declared that no competing interests exist

Introduction

ReScience [1] is a peer-reviewed journal that targets computational research and encourages the explicit replication of already published research, promoting new and open-source implementations in order to ensure that the original research is reproducible. The journal has no budget and is community managed. More specifically, this means there are no production nor publishing team that could typeset an accepted submission and both authors and editors are responsible for the final layout of the article. The current (May 2018) pipeline relies on pandoc using the markdown format with a YAML header. The original motivation for using pandoc was first, to reduce the hassle for the editor and second, to be able to produce an HTML version of the article. However, experience has proved this was probably a bad choice and it just made things more difficult for everybody. Pandoc and asoociated plugins might be difficult to install on some systems and the use of the markdown markup language severily limits the possibility of the final layout.

N. P. Rougier et al. "Sustainable computational science: the ReScience initiative." In: *PeerJ Computer Science* 3 (Dec. 2017), e142

Pandoc is a free and open-source software document converter, widely used as a writing tool and as a basis for publishing workflows.

The new proposed publishing pipeline is based solely on LaTeX and biber and aims at facilitating the production and edition of articles. Since we'll now directly use LaTeX, this gives us the opportunity to rethink the template. The proposition (that you're currently reading) is loosely based after Edward Tufte's book style where the large left column contains the main text and the right column is used for auxiliary informations such as notes, captions or references. Both the style, the layout and the colors of the template aim at giving ReScience a strong but subtle identity.

Figures

There are three styles of figures:

- Side figure
- Regular figure
- Full width figure

Side figures can be easily inserted using:

```
\marginnote
{
  \includegraphics[width=\sidewidth]{...}
  \captionof{figure}{Side figure}
  \label{fig:1}
}
```

Result is displayed on figure 1. This can be used for relatively small figures and allows to not break the flow of the prose in the document.

Figure 1. Side figure

Regular figures must use the full text width and put the caption in the margin. Note that you may have to slightly adjust the vertical offset to align caption and the top of figure which is the recommended layout.

Figure 2. Side caption

Corresponding code is:

```
\marginnote
{
  \captionof{figure}{Side caption}
  \label{fig:2}
}[-2.5em]
\includegraphics[width=\textwidth]{...}
```

Font stack

Test

Serif font The Pazo Math fonts are a family of PostScript fonts suitable for typesetting mathematics in combination with the Palatino family of text fonts.

Sans Serif The Fira Sans fonts is a humanist sans-serif typeface designed by Erik Spiekermann, Ralph du Carrois, Anja Meiners and Botio Nikoltchev of Carrois Type Design for the Firefox OS.

Monotype Inconsolata is amonospaced font designed by Raph Levien and has regular and bold weights, with additional glyphs and options to control slashed zero, upright quotes and a shapelier lower-case L.

An article is composed of four different files:

```
article-metadata.tex
article-header.tex
article-content.tex
article-bibliography.bib
```

The `article-metadata.tex` file is generated by the `generate-latex.py`.

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Commands

The template defines various commands to help with the writing.

```
\citep{Rougier:2017}\sidecite{Rougier:2017}
```

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Title 1	Title 2
Item 1	Item 2

Table 1. Side table

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References

1. N. P. Rougier et al. "Sustainable computational science: the ReScience initiative." In: *PeerJ Computer Science* 3 (Dec. 2017), e142.