

docposter: Prepare Academic Posters Using quarto

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¹ (footnotes or affiliations go here) • ² Earth

Overview

- Template for writing HTML/CSS posters using quarto
- Same conventions as pandoc presentations (e.g. reveal.js)^{1–3}
- Separates content from presentation
- Goal: automatically get consistent spacing from specifications instead of a manual layout



Rmarkdown structure

See also the `<source code>` and `<compiled pdf>` for this poster on GitHub.

```
---
title: Title of your document within the YAML header
format:
  docposter-html:
    <options_go_here>
---

# {.col-3}
## Overall document columns (`<h1>`)

Content is organized using headers as sections. Level 1
sections define the overall layout of subblocks. Use the
`.col-x` class to use x columns for subblocks.

## Another left column block

You can place multiple subblocks within the same overall
.col-x, for example to get a 3-column layout like this
example code here.

# {.col-3}
## Individual content blocks (`<h2>`)

Actual content goes within the level 2 blocks, which have
two inner columns by default, e.g. for figures.



Most of the markdown commands seem to work, though there
are probably still some that are untested.

# {.col-3}
## Use this div to write your references in a section:

<div id="refs" class="references"></div>
```

Licensing

3rd party credits

- Inspired by the reveal.js presentation framework¹ and its R package²
- Short code snippets from pagedown, decapitated, rmarkdown, and xfun
- Fonts under their respective licenses
- Logo: thanks to Openclipart for the CC0 `<graduation cap image>`, `<hexSticker>` for sticker generation, and `<bcbioSmallRna>` for a helpful sticker example
- See `<CitationStyles.org>` and the CSL project⁴ for more info about citation options (CC BY SA 3.0)

This package

- docposter may be used under different licenses at your option
- Entire template: GPLv3 (like `<R markdown>`)
- Files for the `<drposter pandoc template>`: same conditions as the official `<pandoc templates>`
- Poster CSS: `<CC0 public domain>`

Community



For more information, please visit the project page at `<https://github.com/bbucior/docposter>`.

How to use this package

Installation and usage

- Run `quarto use template bbucior/docposter` to install the package in your local directory.
- Run `quarto render` within your project to compile the poster to html and pdf.

Customizing the template

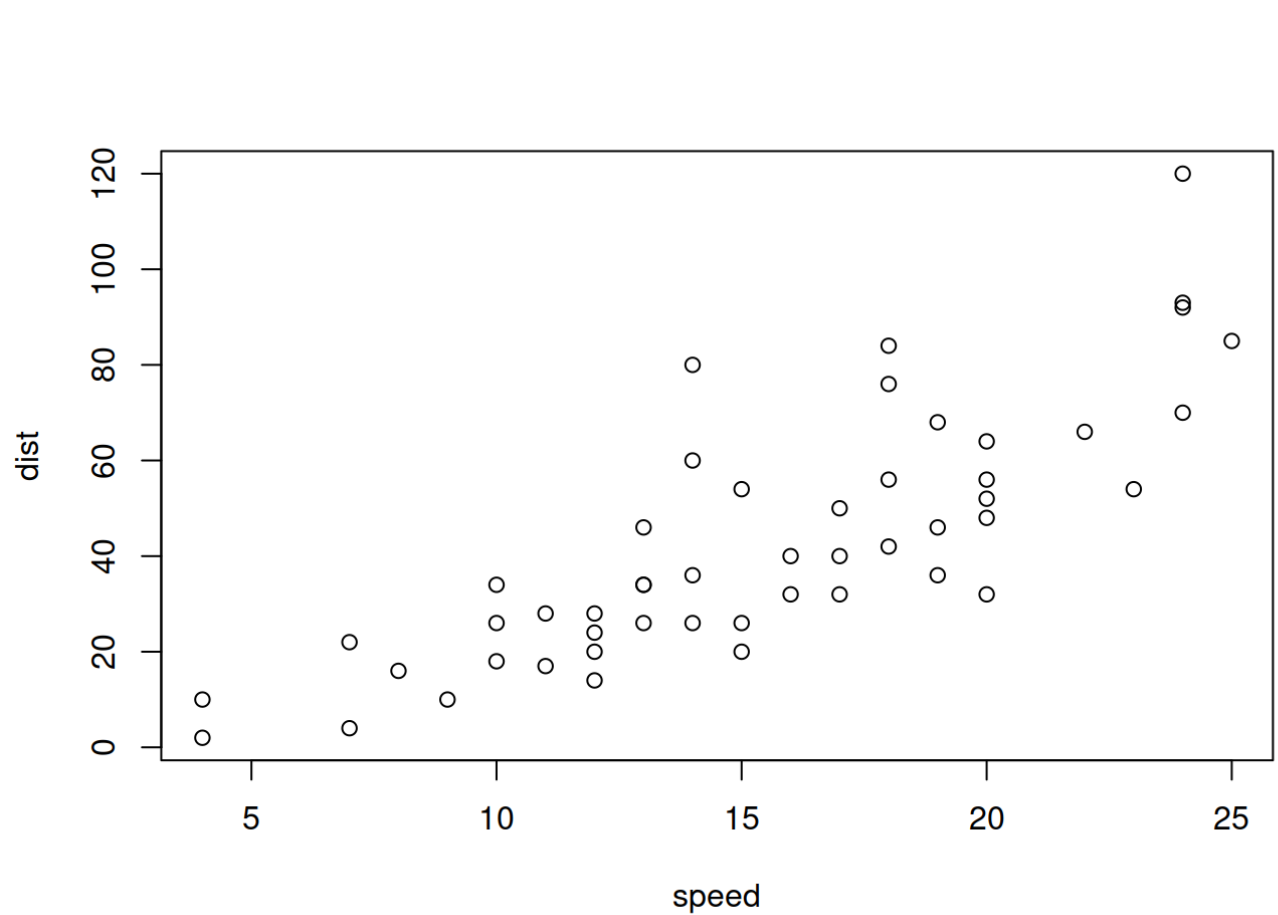
- Avoid modifying `_extensions/`
- Indirectly override those rules in your own `custom.css` or equivalent
- Easier to see and share your changes
- Decouples your modifications from the base docposter styles
- Customize the format of the bibliography^{5,6} using a CSL style⁴

Export

- By default, the project will attempt to export your poster to PDF. You can also run this step manually by using the “print as PDF” option within Chrome⁷
- Be sure to save a PDF (and possibly html with `embed-resources: true`) to archive your project at the end, in case there are changes in pandoc or web dependencies
- You can also render the poster in other formats, such as a revealjs slide deck

Reproducible research

Directly include plots



Directly include stats

	speed	dist
Min.	: 4.0	Min. : 2.00
1st Qu.:	12.0	1st Qu.: 26.00
Median :	15.0	Median : 36.00
Mean :	15.4	Mean : 42.98
3rd Qu.:	19.0	3rd Qu.: 56.00
Max.	:25.0	Max. :120.00

Customizable themes

Note the features for theming. If you had a special class attached to the `.level1` or `.slides/theme`, you could use a general descendent selector to automatically get theming support, then break up these details into separate theme files.

Default theme

This is an example of the default theme.

Minimalist theme

This is an example of the minimalist theme.

See also

- `tikzposter` latex template, and its example themes for inspiration `<https://bitbucket.org/surmann/tikzposter/downloads/>`
- `<Other R markdown templates>` with their advantages/disadvantages (pdf compatibility, consistent syntax with flexdashboard, interactivity, etc.)

References

- (1) `<http://lab.hakim.se/reveal-js/#/>`.
- (2) `<https://github.com/rstudio/revealjs>`.
- (3) `<http://rmarkdown.rstudio.com/developer_custom_formats.html>`.
- (4) `<https://github.com/citation-style-language/styles>`.
- (5) `<http://rmarkdown.rstudio.com/authoring_bibliographies_and_citations.html>`.
- (6) `<https://stackoverflow.com/questions/41532707/include-rmd-appendix-after-references>`.
- (7) *Limited testing shows that Firefox also works, but it doesn't yet apply experimental CSS rules for page size.*