

# docposter: Prepare Academic Posters Using quarto

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## Overview

- Template for writing HTML/CSS posters using quarto
- Same conventions as pandoc presentations (e.g. reveal.js)<sup>1–3</sup>
- 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>
```

## 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

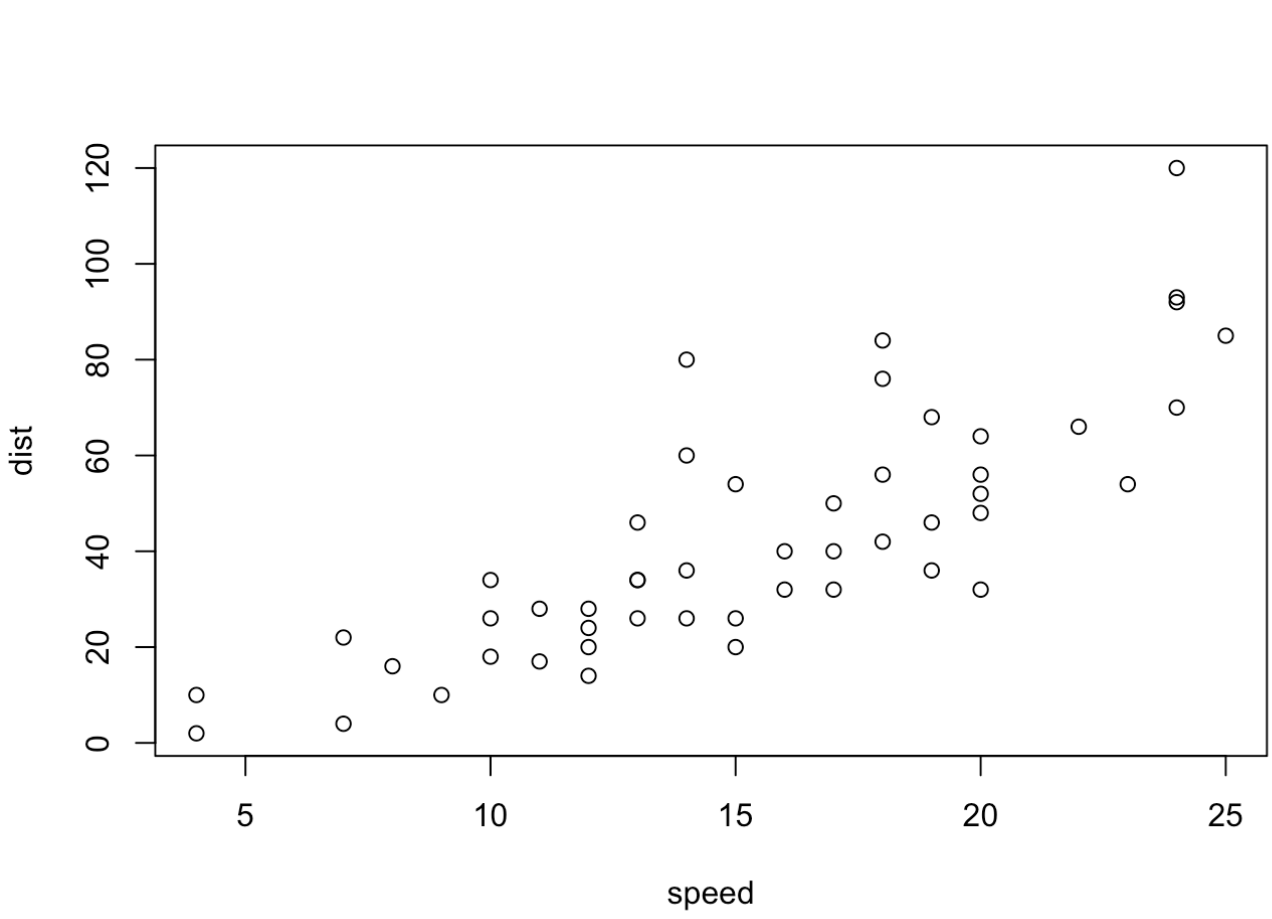
- Avoid modifying `_extensions/`
- Indirectly override those rules in your own `custom.css` or equivalent
- Easier to see and share your changes
- Decouples your modifications from the base docposter styles
- Customize the format of the bibliography<sup>5,6</sup> using a CSL style<sup>4</sup>

### 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 Chrome<sup>7</sup>
- 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.

## Licensing

### 3rd party credits

- Inspired by the reveal.js presentation framework<sup>1</sup> and its R package<sup>2</sup>
- 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 project<sup>4</sup> 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>`.

## 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.*