

Dynamic visualization of high-dimensional data via low-dimension projections and sectioning across 2D and 3D display devices

Mid candidature review

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Contents

Contents	i
1 Rmarkdown cheatsheet – top level header	1
1.1 References and cross references – 2nd level header	1
1.2 Figure height and width	1
1.3 Intermediate MD formatting	1
1.3.1 Other sources	2
References	2

Contents

1 Rmarkdown cheatsheet – top level header

1.1 References and cross references – 2nd level header

A bib reference (Matejka and Fitzmaurice 2017)].

Given that you have tagged a header with trailing ' `{#sec:intro}`'. A [Section intro](#) reference, alternatively, section [1](#) (`\@ref(sec:intro)`).

A figure `??` reference (`\@ref(fig:crest)`).

For bib files: make sure to include `bibliography: <MyFilename>.bib` in the YAML header and have associated .bib file in the base directory.

For Tex Title pages: make sure to include them in the YAML header (see this one) and have the associated .sty files in the base directory.

For figure references: make sure to use `bookdown::pdf_document2` (with 2) in the yaml, turns an R chunk name into a label, alternatively hardcode labels in the caption with `"\\label{fig:fig1} Some caption here"` while knitting to a `pdf_document`.

`\@ref(<label>)` is used with `bookdown::pdf_document2`, `\ref{<label>}` (no @, curly {}) is standard md.

1.2 Figure height and width

`fig.height=2`, `fig.width=3` [inches] will effect R rendered plots.

while `out.height = "20%"`, `out.width = "20%"` will effect both `include_graphics()` and R rendered plots.

1.3 Intermediate MD formating

sub/superscript²₂

~~strikethrough~~

escaped characters: * _ \

endash: –, emdash: —

in-line equation: $A = \pi * r^2$

equation block:

$$E = mc^2$$

cogito, ergo sum I think, therefore I am

— René Descartes

A footnote¹

1.3.1 Other sources

[Working with images and figure in RMD](#)

[R Markdown Cheat Sheet](#)

References

Matejka, Justin, and George Fitzmaurice. 2017. “Same Stats, Different Graphs: Generating Datasets with Varied Appearance and Identical Statistics Through Simulated Annealing.” In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems - CHI '17*, 1290–4. Denver, Colorado, USA: ACM Press. <https://doi.org/10.1145/3025453.3025912>.

¹The bottom text.