

Package ‘tint’

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Type Package

Title 'tint' is not 'Tufte'

Version 0.1.5

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Description A 'tufte'-alike style for 'rmarkdown'.

A modern take on the 'Tufte' design for pdf and html vignettes, building on the 'tufte' package with additional contributions from the 'knitr' and 'ggtufte' package, and also acknowledging the key influence of 'envisioned css'.

URL <https://github.com/eddelbuettel/tint/>,
<https://dirk.eddelbuettel.com/code/tint.html>

BugReports <https://github.com/eddelbuettel/tint/issues>

Imports htmltools, knitr, rmarkdown

Suggests ggplot2

VignetteBuilder knitr

License GPL-3

RoxygenNote 6.0.1

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Custom-templates	<i>Custom document templates</i>
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Description

Using custom document templates

Details

If you want to make more significant changes to the document styles, you can make custom Pandoc templates, using the examples provided with this package.

You will need to have some expertise with LaTeX to do this, but you can take the templates, such as `tintPdf-template.tex` or `tintBook-template.tex`, which you can locate on your computer with

```
system.file("rmarkdown", "templates", "tintPdf", "resources",  
           "tintPdf-template.tex", package="tint")
```

and

```
system.file("rmarkdown", "templates", "tintBook", "resources",  
           "tintBook-template.tex", package="tint")
```

Copy those files to the folder where your RMarkdown file is located and edit them and then tell tint to use your custom template instead of its built-in ones by using the YAML attribute `template` in your output block:

```
output:  
  tint::tintPdf:  
    template: "my-custom-template.tex"
```

See Also

[YAML-metadata](#)

theme_tint	<i>A 'Tufte'-inspired 'ggplot2' theme</i>
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Description

A 'Tufte'-inspired 'ggplot2' theme for the 'tint' package

Usage

```
theme_tint(base_size = 11, ticks = TRUE)
```

Arguments

base_size	An integer value for the base tick size, default is 11.
ticks	A logical value indicating if ticks should be drawn, default is TRUE.

Details

This theme is borrows heavily from a similar theme in **ggtufte** by Jeffrey Arnold (but removes his font processing as it conflicts with ours).

Value

A modified theme for ggplot2 use

Author(s)

Dirk Eddelbuettel modifying earlier work by Jeffrey Arnold

tintHtml	<i>Tint Is Not Tufte – A Tufte-Inspired HTML Format</i>
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Description

A template for creating html reports according to the style of Edward R. Tufte and Richard Feynman, but with an updated font choice. The three key functions `tintHtml`, `tintPdf` and `tintBook` offer, respectively, support for html and pdf-based shorter (“article-length” writeups as well as support for longer pdf-based content.

Usage

```

tintHtml(...)

tint(...)

tintPdf(fig_width = 4, fig_height = 2.5, fig_crop = TRUE, dev = "pdf",
        highlight = "tango", citation_package = "natbib",
        latex_engine = "pdflatex", ...)

tintBook(fig_width = 4, fig_height = 2.5, fig_crop = TRUE, dev = "pdf",
         highlight = "tango", citation_package = "natbib",
         latex_engine = "pdflatex", ...)

newthought(text)

margin_note(text, icon = "&#8853;")

quote_footer(text)

sans_serif(text)

```

Arguments

...	Other arguments to be passed to pdf_document or html_document Note: For <code>tintPdf</code> and <code>tintBook</code> , you can specify a custom template argument to replace the default. You <i>cannot</i> use the <code>theme</code> argument in <code>tintHHtml()</code> because this argument has been set internally.
<code>fig_width</code>	Default width (in inches) for figures
<code>fig_height</code>	Default height (in inches) for figures
<code>fig_crop</code>	Whether to crop PDF figures with the command <code>pdftocrop</code> . This requires the tools <code>pdftocrop</code> and <code>ghostscript</code> to be installed. By default, <code>fig_crop = TRUE</code> if these two tools are available.
<code>dev</code>	Graphics device to use for figure output (defaults to <code>pdf</code>)
<code>highlight</code>	Syntax highlighting style passed to Pandoc. Supported built-in styles include "default", "tango", "pygments", "kate", "monochrome", "espresso", "zenburn", "haddock", and "breezedark". Two custom styles are also included, "arrow", an accessible color scheme, and "rstudio", which mimics the default IDE theme. Alternatively, supply a path to a <code>.theme</code> file to use a custom Pandoc style . Note that custom theme requires Pandoc 2.0+. Pass <code>NULL</code> to prevent syntax highlighting.
<code>citation_package</code>	The LaTeX package to process citations, <code>natbib</code> or <code>biblatex</code> . Use default if neither package is to be used, which means citations will be processed via the command <code>pandoc-citeproc</code> .

<code>latex_engine</code>	LaTeX engine for producing PDF output. Options are "pdflatex", "lualatex", "xelatex" and "tectonic".
<code>text</code>	A character string to be presented as a “new thought” (using small caps), or a margin note, or a footer of a quote
<code>icon</code>	A character string to indicate there is a hidden margin note when the page width is too narrow (by default it is a circled plus sign)

Details

`tintHtml` provides the HTML format based on the Tufte CSS <https://edwardtufte.github.io/tufte-css/> with fonts set according to <https://github.com/nogginfuel/envisioned-css>. `tintPdf` provides a similar PDF format using the same font family and styling applied to the Tufte-LaTeX <https://tufte-latex.github.io/tufte-latex/> class. `tintBook` is a (still somewhat experimental) pdf book variant.

`newthought()` can be used in inline R expressions in R Markdown (e.g. ``r newthought(Some text)``), and it works for both HTML (`text`) and PDF (`\newthought{text}`) output.

`margin_note()` can be used in inline R expressions to write a margin note (like a sidenote but not numbered).

`quote_footer()` formats text as the footer of a quote. It puts text in `<footer></footer>` for HTML output, and after `\hfill` for LaTeX output (to right-align text).

`sans_serif()` applies sans-serif fonts to text.

References

See <https://rstudio.github.io/tufte/> for the **tufte** package this was initially derived from. See <https://eddelbuettel.github.io/tint/> for usage examples from this package.

See Also

[Custom-templates, YAML-metadata.](#)

Description

Using YAML metadata to customize PDF documents.

Details

You can easily customize fonts and a few other style attributes of PDF documents (`tintPdf` and `tintBook`) with YAML metadata

Changing the fonts

You can use the fonts from the default `tufte` styles by setting `defaultfonts: true`

You can choose custom LaTeX font packages using `latexfonts`:

```
latexfonts: "bera"
```

will use Bera Serif fonts. You can also specify multiple fonts (for instance serif, sans-serif, and typewriter families)

```
latexfonts:
- "bera"
- "FiraSans"
- "FiraSansMono"
```

will use the Bera Serif font for regular text, Fira Sans Regular for sans serif, and Fira Sans Mono for typewriter.

You can also pass options to the packages:

```
latexfonts:
- package: newtxmath
  options:
    - cmintegrals
    - cmbraces
- package: ebgaramond-maths
- package: nimbusmononarrow
```

will use EB Garamond, with matching maths fonts from the `newtxmath` package, and Nimbus Mono Narrow for the typewriter font.

If you want to specify a sans-serif font for the main text, many packages allow you to do this with options: The default for `tint` is to use the equivalent of

```
latexfonts:
- package: roboto
  options:
    - sfdefault
    - condensed
```

where `sfdefault` specifies that the default text font should be Roboto. Other packages use different options, such as Lato, another sans-serif font, which you would specify as the main font like this:

```
latexfonts:
- package: lato
  options: default
```

Link Color

Changing the link color

By default, tint uses a grayish-blue color for hyperlinks. If you want to change this, you can use the YAML `linkcolor` variable either as a string with three numbers (red, green, and blue) separated by commas:

```
linkcolor: "0.3,0.3,0.6"
```

which gives a subtler bluish-gray, or as a list of three colors:

```
linkcolor:  
- 0.5  
- 0.2  
- 0.5
```

which gives a mauve color.

See Also

[Custom-templates](#)

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