

# Package ‘binb’

October 12, 2022

**Type** Package

**Title** 'binb' is not 'Beamer'

**Version** 0.0.6

**Date** 2020-06-10

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**Description** A collection of 'LaTeX' styles using 'Beamer' customization for pdf-based presentation slides in 'RMarkdown'. At present it contains 'RMarkdown' adaptations of the LaTeX themes 'Metropolis' (formerly 'mtheme') theme by Matthias Vogelgesang and others (now included in 'TeXLive'), the 'IQSS' by Ista Zahn (which is included here), and the 'Monash' theme by Rob J Hyndman. Additional (free) fonts may be needed: 'Metropolis' prefers 'Fira', and 'IQSS' requires 'Libertinus'.

**URL** <https://github.com/eddelbuettel/binb>

**BugReports** <https://github.com/eddelbuettel/binb/issues>

**Imports** rmarkdown, knitr

**VignetteBuilder** knitr

**License** GPL (>= 2)

**Encoding** UTF-8

**RoxygenNote** 6.0.1

**NeedsCompilation** no

**Repository** CRAN

**Date/Publication** 2020-06-10 20:50:02 UTC

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**Description**

Templates for RMarkdown-based Beamer PDF presentations supporting the ‘Metropolis’ style by Matthias Vogelgesang and others, the ‘IQSS’ style by Ista Zahn and Gary King, and the ‘Monash’ style by Rob J Hyndman.

**Usage**

```
metropolis(toc = FALSE, slide_level = 2, incremental = FALSE,
  fig_width = 10, fig_height = 7, fig_crop = TRUE, fig_caption = TRUE,
  dev = "pdf", df_print = "default", fonttheme = "default",
  highlight = "tango", keep_tex = FALSE, latex_engine = "xelatex",
  citation_package = c("default", "natbib", "biblatex"), includes = NULL,
  md_extensions = NULL, pandoc_args = NULL)
```

```
iqss(toc = FALSE, slide_level = 3, incremental = FALSE, fig_width = 10,
  fig_height = 7, fig_crop = TRUE, fig_caption = TRUE, dev = "pdf",
  df_print = "default", fonttheme = "default", highlight = "haddock",
  keep_tex = FALSE, latex_engine = "xelatex",
  citation_package = c("default", "natbib", "biblatex"), includes = NULL,
  md_extensions = NULL, pandoc_args = NULL)
```

```
monash(toc = FALSE, slide_level = 2, incremental = FALSE, fig_width = 8,
  fig_height = 5, fig_crop = TRUE, fig_caption = TRUE, dev = "pdf",
  df_print = "default", fonttheme = "default", colortheme = "monashwhite",
  highlight = "tango", keep_tex = FALSE, latex_engine = "pdflatex",
  citation_package = c("default", "natbib", "biblatex"), includes = NULL,
  md_extensions = NULL, pandoc_args = NULL)
```

```
presento(toc = FALSE, slide_level = 2, incremental = FALSE,
  fig_width = 10, fig_height = 7, fig_crop = TRUE, fig_caption = TRUE,
  dev = "pdf", df_print = "default", fonttheme = "default",
  highlight = "haddock", keep_tex = FALSE, latex_engine = "xelatex",
  citation_package = c("default", "natbib", "biblatex"), includes = NULL,
  md_extensions = NULL, pandoc_args = NULL)
```

**Arguments**

<code>toc</code>	A logical variable defaulting to FALSE.
<code>slide_level</code>	A numeric variable defaulting to two for ‘Metropolis’ and ‘Monash’, and three for ‘IQSS’.
<code>incremental</code>	A logical variable defaulting to FALSE.
<code>fig_width</code>	A numeric variable defaulting to ten.

<code>fig_height</code>	A numeric variable defaulting to seven.
<code>fig_crop</code>	A logical variable defaulting to TRUE.
<code>fig_caption</code>	A logical variable defaulting to TRUE.
<code>dev</code>	A character variable defaulting to “pdf”.
<code>df_print</code>	A character variable defaulting to “default”.
<code>fonttheme</code>	A character variable defaulting to “default”.
<code>highlight</code>	A character variable defaulting to “tango”.
<code>keep_tex</code>	A logical variable defaulting to FALSE.
<code>latex_engine</code>	A character variable defaulting to “xelatex”.
<code>citation_package</code>	An optional character variable with possible value “default”, “natbib” (the default), or “biblatex”.
<code>includes</code>	An optional character variable defaulting to NULL.
<code>md_extensions</code>	An optional character variable defaulting to NULL.
<code>pandoc_args</code>	An optional character variable defaulting to NULL.
<code>colortheme</code>	For the ‘Monash’ theme only. A character variable defaulting to “monashwhite”.

### Details

Note that not all options and customizations available at the LaTeX level are implemented or supported yet. A number of styling options could be exposed by setting YAML meta-data in the header for either style. This needs more testing and documentation.

### Value

RMarkdown content processed is returned for use by the `render` function but the function is invoked for its side effect of creating the pdf file.

### IQSS Details

We currently set `slide_level` to three to use the same appearance as the LaTeX demo. This means section and sub-section headers use one and two hash marks, new slides use three, and “box” environments start with four. More commonly, Beamer theme use two and work without subsections.

### Author(s)

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### See Also

Three other packages also offer RMarkdown interfaces to LaTeX (or HTML) content: `tint` for Tufte-style pdf and html, `pinp` for two-column pdf vignettes, and `linl` for LaTeX letters.

**Examples**

```
## Not run:  
library(rmarkdown)  
draft("myslides.Rmd", template="metropolis", package="binb", edit=FALSE)  
setwd("myslides")      ## template creates a new subdir  
render("myslides.Rmd")  
  
## End(Not run)
```

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