Metropolis

A modern beamer theme

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Center for modern beamer themes

Introduction

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Introduction

The **METROPOLIS** theme is a Beamer theme with minimal visual noise inspired by the hsrm Beamer Theme by Benjamin Weiss.

Enable the theme (in <a>ETEX) by loading

\documentclass{beamer}
\usetheme{metropolis}

Note, that you have to have Mozilla's *Fira Sans* font and XeTeX installed to enjoy this wonderful typography.

In R you can of course use this package directly, see its documentation.

Sections group slides of the same topic

Elements

for which **METROPOLIS** provides a nice progress indicator ...

Title formats

METROPOLIS supports 4 different title formats:

- Regular
- SMALL CAPS
- ALL SMALL CAPS
- ALL CAPS

They can either be set at once for every title type or individually.

Elements

The theme provides sensible defaults to \emph{emphasize} text, \alert{accent} parts or show \textbf{bold} results.

becomes

The theme provides sensible defaults to *emphasize* text, accent parts or show **bold** results.

- Regular
- Italic (also Italic)
- Small Caps
- Bold (also Bold)
- Bold Italic (also Italic)
- · BOLD SMALL CAPS
- Monospace
- Monospace Italic
- · Monospace Bold
- · Monospace Bold Italic

Items	Enumerations	Descriptions
• Milk	1. First,	PowerPoint Meeh.
• Eggs	2. Second and	Beamer Yeeeha.
 Potatoes 	3. Last.	

 \cdot This is important

This uses <a>ETFX for an inmation. The next slides uses RMarkdown

- This is important
- Now this

This uses <a>ETFX for an inmation. The next slides uses RMarkdown

- \cdot This is important
- Now this
- $\cdot\,$ And now this

This uses $\ensuremath{\mathbb{M}}\xspace{\mathsf{E}}\x$

- This is really important
- Now this
- And now this

This uses $\ensuremath{\mathbb{M}}\xspace{\mathsf{E}}\x$

• This is important

- This is important
- Now this

- This is important
- Now this
- And now this

- This is really important
- Now this
- And now this

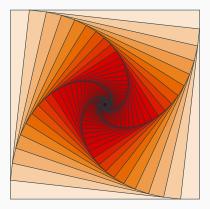


Figure 1: Rotated square from texample.net.

This used a $\ensuremath{\mathbb{M}}_{\ensuremath{\mathbb{E}}}X$ feature. All RMarkdown features are also at our disposal.

Table 1: Largest cities in the world (source: Wikipedia)

City	Population			
Mexico City	20,116,842			
Shanghai	19,210,000			
Peking	15,796,450			
Istanbul	14,160,467			

This used a <a>EFEX feature. All RMarkdown features are also at our disposal.

Three different block environments are pre-defined and may be styled with an optional background color.

 Default
 Default

 Block content.
 Block content.

 Alert
 Alert

 Block content.
 Block content.

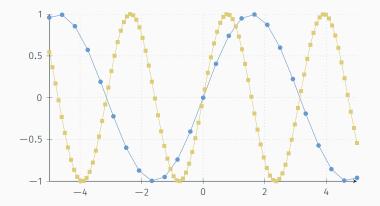
 Example
 Example

 Block content.
 Block content

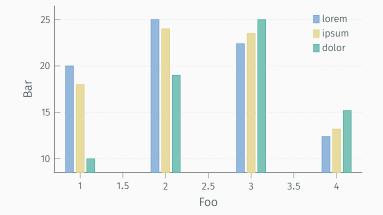
The right side uses the \metroset{block=fill} option. Blocks can also used in Markdown using ### (if slide-level=2).

$$e = \lim_{n \to \infty} \left(1 + \frac{1}{n} \right)^n$$

LINE PLOTS



BAR CHARTS



19

Veni, Vidi, Vici

Some references (Knuth, 1992; Graham et al., 1989; Simpson, 2003; Erdős, 1995; Greenwade, 1993)

allowframebreaks is not used or needed, also changed \cite to \citep, and defaulted natbib to option [round].

Notes can be added either using latex syntax:

```
\note{
   \begin{itemize}
    \item \emph{This} is a note.
   \end{itemize}
}
```

or with pandoc (markdown) syntax:

```
<div class = "notes">
- This is *another* note.
</div>
```

The display of the notes is controlled using the YAML argument **beameroption**. Here we have used **beameroption**: "show notes".



L

—Elements

└── Notes

- This is a note.
- This is another note.

NOTES

Notes can be added either using Lens syntae Vartef Vartef Vartef (Vartis) View (vard/file) is a note. Vartef[tenils]) outh pundic (maridane) syntae. effer Class "moths". - Mini is vansthere mote. </di>

The display of the notes is controlled using the YAML argument beameroption. Here we have used beameroption: "show notes". Conclusion

Get the source of this theme and the demo presentation from

https://github.com/matze/mtheme

The theme *itself* is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License



Source and documentation for the RMarkdown variant are at https://github.com/eddelbuettel/binb.

Questions?

Sometimes, it is useful to add slides at the end of your presentation to refer to during audience questions.

The best way to do this is to include the **appendixnumberbeamer** package in your preamble and call **\appendix** before your backup slides.

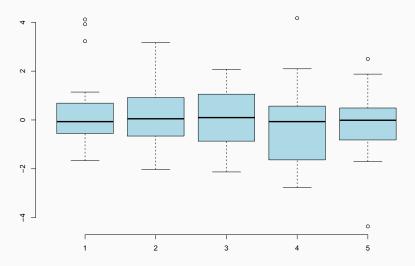
METROPOLIS will automatically turn off slide numbering and progress bars for slides in the appendix.

Calling \appendix currently leads to an error in when using binb.

The following code generates the plot on the next slide (taken from help(bxp) and modified slightly):

R Appendix: **R** Figure Example

Example from help(bxp)



A simple knitr::kable example:

Table 2:	(Parts	of)	the	mtcars	dataset
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	mpg	cyl	disp	hp	drat	wt	qsec	VS
Mazda RX4	21.0	6	160	110	3.90	2.620	16.46	0
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02	0
Datsun 710	22.8	4	108	93	3.85	2.320	18.61	1
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44	1
Hornet Sportabout	18.7	8	360	175	3.15	3.440	17.02	0

- P. Erdős. A selection of problems and results in combinatorics. In *Recent trends in combinatorics (Matrahaza, 1995)*, pages 1–6. Cambridge Univ. Press, Cambridge, 1995.
- R. Graham, D. Knuth, and O. Patashnik. *Concrete mathematics*. Addison-Wesley, Reading, MA, 1989.
- G. D. Greenwade. The Comprehensive Tex Archive Network (CTAN). *TUGBoat*, 14(3):342–351, 1993.
- D. Knuth. Two notes on notation. Amer. Math. Monthly, 99:403–422, 1992.
- H. Simpson. Proof of the Riemann Hypothesis. preprint (2003), available at http://www.math.drofnats.edu/riemann.ps, 2003.