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Overview

Usage

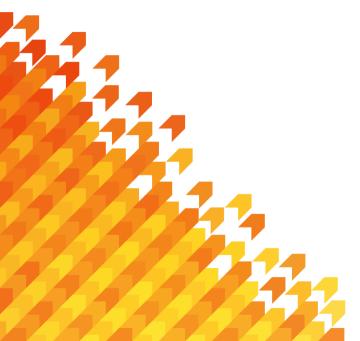
Frames

Common Frame Features and Layouts

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How to load this package

Load this package from github using the remotes package

In R Studio

- File/New File/R Markdown/From Template
- Select AUTBeamer

This will create a new directory containing the required files to run the template

- bgImages (folder containing images)
- AUTtheme.sty
- header.tex
- untitled.Rmd

Compiling this demo file

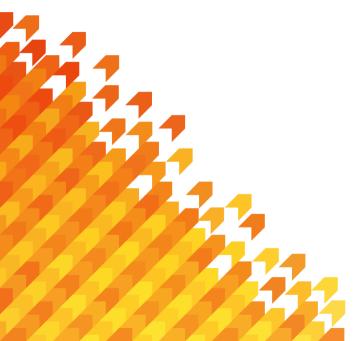
To compile this demo file, this file needs to be located in the same directory as the bgImages folder and the AUTtheme.sty file. These files are not provided in the demo folder to avoid duplication.

Compiling with AUTTheme

lualatex is recommended.

Comparison to Beamer version

The Rmd version of this template does not yet have all the functionality of the beamer version, e.g. customised frame environments such as sectionpages.



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Frame Sizes

The template can be used to create 16×9 or 4×3 slides by modifying the YAML header.

The resolution of the background images get updated automatically.

- ullet To create 16 imes 9 slides use classoption: "aspectratio=169"
- To create 4×3 slides use classoption: "aspectratio=43"

Customisation

The file header.tex contains the LaTeX commands used at the start of the document.

To use the AUTtheme package, header.tex needs to contain, a command like:

- \usepackage{AUTtheme} or
- \usepackage[dct]{AUTtheme}

The header.tex file can also be used to load other packages or customise the Beamer package in other ways, e.g.

```
\AtBeginSection{}
or
usepackage{lipsum}
```

Sections are defined by #, subsections by ## and slides by ###. The slide_level can be defined in the YAML header.

An outline of all sections can be created by adding:

\tableofcontents[hideallsubsections]

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\AtBeginSection

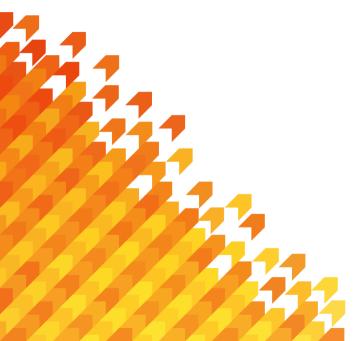
In AUTtheme.sty the default is that each section starts:

- with a title slide containing the section name
- an outline slide with the following specification

```
\tableofcontents[
    currentsubsection,
    sectionstyle=show/shaded,
    subsectionstyle=show/shaded/hide,
]
```

Customising \AtBeginSection

This can be customised in header.tex. For example, as shown in the header file for this demo



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Unordered list

- Bullet 1
 - sub Bullet
 - sub of sub Bullet
 - sub Bullet
- Bullet 2
- Bullet 3

Ordered list

- 1. Item 1
 - Item 1a
 - Item 1b
- 2. Item 2
- 3. Item 3
 - Item 3a
 - Item 3b

List with steps showing

1. Item 1

List with steps showing

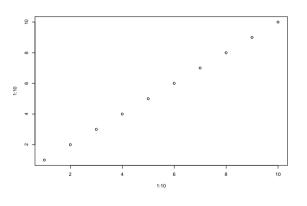
- 1. Item 1
- 2. Item 2

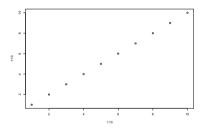
List with steps showing

- 1. Item 1
- 2. Item 2
- 3. Item 3

Columns

Column 1

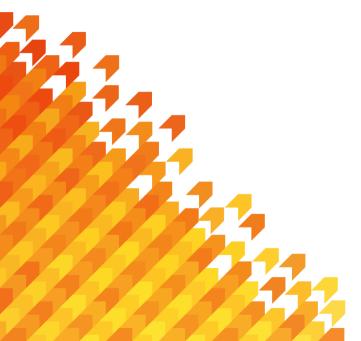




Column 2

Tables

Assessment	Weighting	Hand out	Hand in
Quizzes	15%	Weekly	Weekly
Assignment	25%	Week 6	Week 8
Project	60%	Week 4	Week 12
Total	100%		



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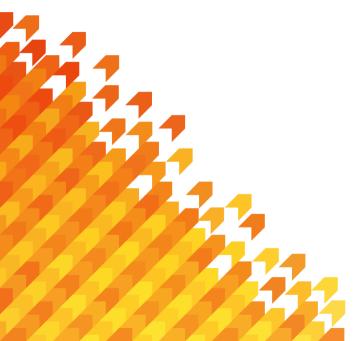
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Overlays

This appears on all slides.

Overlays

This appears on all slides. This only appears on slide 2



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Footnotes

There is a really good book about geometric processes. ¹ There is also a really good book about stochastic processes. ²

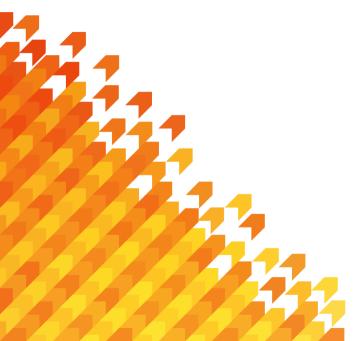
¹Lam, Yeh. The Geometric Process and Its Applications. World Scientific, Hackensack, NJ, 2007.

²Ross, Sheldon. Stochastic Processes, 1998.

References

Buehler et al. (2019) discusses the importance of Deep Hedging. Many authors have applied machine learning (Teichmann 2019). Multiple authors can be separated with semicolon (Buehler et al. 2019; Teichmann 2019).

- @buehler2019deep gives in text references
- [@buehler2019deep] gives the reference in parentheses
- [@buehler2019deep; @teichmann2019machine] multiple authors



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Protecting LaTeX commands Example - Blocks

Protecting LaTeX commands

The following environment can be used to protect raw latex code (see source)

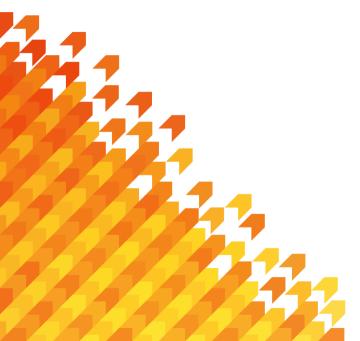
A I

А В

Example - Blocks

For more information see https://bookdown.org/yihui/rmarkdown-cookbook/custom-blocks.html

This paragraph will be centered on the page, and its width is 50% of the width of its parent element.



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Buehler, Hans, Lukas Gonon, Josef Teichmann, and Ben Wood. 2019. "Deep Hedging." *Quantitative Finance* 19 (8): 1271–91.

Teichmann, Josef. 2019. "Machine Learning in Finance." URL: Https://People. Math. Ethz. Ch/Jteichma/Index. Php.