Statale Beamer Presentation Theme

Using \LaTeX{} to prepare slides

Master’s Degree in Philosophical Science

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Hi! I’m Giorgio and this template is based on SINTEF Presentation from Federico Zenith and its derivation Beamer-LaTeX-Themes from Liu Qilong.

In the following you find a brief introduction on how to use \TeX{} and the beamer package to prepare slides, based on the one written by Federico Zenith for SINTEF Presentation. This template is released under Creative Commons CC BY 4.0 license.
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Beamer for slides

1 Introduction

- We assume you can use \LaTeX{}; if you cannot, you can learn it here
- Beamer is one of the most popular and powerful document classes for presentations in \LaTeX{}
- Beamer has also a detailed user manual
- Here we will present only the most basic features to get you up to speed
Beamer vs. PowerPoint

1 Introduction

Compared to PowerPoint, using \LaTeX{} is better because:

- It is not What-You-See-Is-What-You-Get, but What-You-Mean-Is-What-You-Get: you write the content, the computer does the typesetting
- Produces a pdf: no problems with fonts, formulas, program versions
- Easier to keep consistent style, fonts, highlighting, etc.
- Math typesetting in \LaTeX{} is the best:

\[
\begin{align*}
    i \frac{\hbar}{\partial t} \Psi (\mathbf{r}, t) &= - \frac{\hbar^2}{2m} \nabla^2 \Psi (\mathbf{r}, t) + V(\mathbf{r}) \Psi (\mathbf{r}, t) \\
\end{align*}
\]
Getting Started
Selecting the Theme

To start working with `beamer-statale`, start a `\LaTeX` document with the preamble:

```
\documentclass{beamer}
\usetheme{statale}
\begin{document}
\begin{frame}{Hello, world!}
\end{frame}
\end{document}
```
To set a typical title page, you call some commands in the preamble:

**The Commands for the Title Page**

\texttt{\title{Sample Title}}
\texttt{\subtitle{Sample subtitle}}
\texttt{\author{First Author, Second Author}}
\texttt{\date{\today}} % Can also be (ab)used for conference name &c.

You can then write out the title page with \maketitle. To set a **background image** use the \titlebackground command before \maketitle; its only argument is the name (or path) of a graphic file. If you use the **starred version** \titlebackground*, the image will be clipped to a split view on the right side of the title slide.
Writing a Simple Slide
It’s really easy!

- A typical slide has bulleted lists
Writing a Simple Slide
It’s really easy!

- A typical slide has bulleted lists
- These can be uncovered in sequence
Writing a Simple Slide
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Code for a Page with an Itemised List
\begin{frame}{Writing a Simple Slide}
  \framesubtitle{It’s really easy!}
  \begin{itemize}[<+->]
    \item A typical slide has bulleted lists
    \item These can be uncovered in sequence
  \end{itemize}
\end{frame}
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2 Personalization

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Changing Slide Style

2 Personalization

- You can select the white or \textit{maincolor} slide style \textit{in the preamble} with \\
\texttt{themecolor\{white\}} (default) or \\
\texttt{themecolor\{main\}}
  
  - You should \textit{not} change these within the document: Beamer does not like it
  
  - If you \textit{really} must, you may have to add \\
\texttt{usebeamercolor[fg]\{normal text\}} \textit{in the slide}

- You can change the \textbf{footline colour} \textit{with} \\
\texttt{footlinecolor\{color\}}
  
  - Place the command \textit{before} a new frame
  
  - There are four “official” colors: \begin{itemize}
    \item maincolor
    \item stataleyellow
    \item statalegreen
    \item stataledarkgreen
  \end{itemize}
  
  - Default is no footline; you can restore it with \texttt{footlinecolor{} }
  
  - Others may work, but no guarantees!
  
  - Should \textit{not} be used with the \textit{maincolor} theme!
**Blocks**

2 Personalization

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**Standard Blocks**

These have a color coordinated with the footline (and grey in the blue theme)

\begin{block}{title}
content...
\end{block}

---

**Colour Blocks**

Similar to the ones on the left, but you pick the colour. Text will be white by default, but you may set it with an optional argument.

\begin{colorblock}[black]{statalelightgreen}{title}
content...
\end{colorblock}

The “official” colours of colour blocks are:

- statalelilla
- maincolor
- stataledarkgreen
- stataleyellow
Using Colours

2 Personalization

• You can use colours with the \textcolor{<color name>}{text} command
• The colours are defined in the statale_colors package:
  — Primary colours: maincolor and its sidekick statalegrey
  — Three shades of green: statalelightgreen, statalegreen, stataledarkgreen
  — Additional colours: stataleyellow, statalered, statalelilla

• Do not abuse colours: \emph{} is usually enough
• Use \alert{} to bring the focus somewhere
• You can use colours with the \textcolor{<color name>}{text} command

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• Do not abuse colours: \textbf{} is usually enough

• Use \textbf{} to bring the focus somewhere

• If you highlight too much, you don’t highlight at all!
Adding images works like in normal TeX:

**Code for Adding Images**

\usepackage{graphicx}
% ...
\includegraphics[width=\textwidth]
{assets/logo_RGB}
Splitting the page is easy and common; typically, one side has a picture and the other text:

This is the first column

And this the second

\begin{columns}
\begin{column}{0.6\textwidth}
This is the first column
\end{column}
\begin{column}{0.3\textwidth}
And this the second
\end{column}
% There could be more!
\end{columns}
Special Slides

2 Personalization

- Chapter slides
- Side-picture slides
Chapter slides
2 Personalization

- Similar to frames, but with a few more options
- Opened with \begin{chapter}\{<image>\}\{<color>\}\{<title>\}
- Image is optional, colour and title are mandatory
- There are seven “official” colours: maincolor, stataledarkgreen, statalegreen, statalelightgreen, statalered, stataleyellow, statalelilla.
  - Strangely enough, these are more than the official colours for the footline.
  - It may still be a nice touch to change the footline of following slides to the same color of a chapter slide. Your choice.
- Otherwise, chapter behaves just like frame.
Side-Picture Slides
2 Personalization

-Opened with
\begin{sidepic}{<image>}{<title>}
-Otherwise, sidepic works just like frame
The paramount task of fonts is being readable

There are good ones...
  - Use serif fonts only with high-definition projectors
  - Use sans-serif fonts otherwise (or if you simply prefer them)

... and not so good ones:
  - Never use monospace for normal text
  - Gothic, calligraphic or weird fonts should always be avoided
To insert a final slide with the title and final thanks, use \backmatter.

- The title also appears in footlines along with the author name, you can change this text with \footlinepayoff
- You can remove the title from the final slide with \backmatter[notitle]

The aspect ratio defaults to 16:9, and you should not change it to 4:3 for old projectors as it is inherently impossible to perfectly convert a 16:9 presentation to 4:3 one; spacings will break

- The aspectratio argument to the beamer class is overridden by the SINTEF theme
- If you really know what you are doing, check the package code and look for the geometry class.
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• Enough for an introduction! You should know enough by now
• If you have corrections or suggestions, send them to me!
Thank you for listening!
Any questions?