Università Degli Studi Di Milano



Metodi di Ensemble Gerarchici per la Predizione Strutturata della Funzione delle Proteine

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Il problema della predizione della funzione delle proteine

- Beamer is a LATEX class that allows you to create presentations
- Beamer2Thesis is a Beamer package that allows you to create a presentation for your thesis
 - with specific dedicated commands
 - o it uses TorinoTh, a Beamer Theme

Configuration

- The configuration of the standard theme is:
 - o language=italian
 - coding=utf8x
 - o titlepagelogo=name-of-the-logo
 - o bullet=circle
 - o pageofpages=of
 - o titleline=true
 - color=blue
 - secondcandidate=false
 - secondlogo=false
- Most of them, actually everyone except the titlepagelogo, can be omitted if there are no modifications

Behavior of alerts

Each color theme requires different colors to highlight words. To insert alerts by using the *itemize* environment, you can exploit:

```
\begin{itemize}
\item<+-| alert@+> Apple
\item<+-| alert@+> Peach
\end{itemize}
```

For example:

Apple

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For example:

- Apple
- Peach

Another way to highlight words

If you want to highlight your text out of the environment *itemize*, Beamer2Thesis offers you the following possibilities:

- the standard command \alert{text}: it simply highlights your text
- the command \highlight{text}: it highlights your text setting
 it in italic
- the command \highlightbf{text}: it highlights your text setting it in bold

Of course, the color used, is set accordingly to your choice in the configuration phase.

Highlighting formulas

- The package hf-tikz allows to highlight formulas and formula parts in Beamer with overlay specifications
- The adaptation of colors to the theme could be done in this way:

```
\usepackage[beamer,customcolors]{hf-tikz}
\hfsetfillcolor{alerted text.fg!10}
\hfsetbordercolor{alerted text.fg}
```

- Two compilation runs are required to get the right result!
- Read the package documentation to find more options; an example will be provided in the next frame.

Highlighting formulas (II)

• Example:

$$x + y = 10$$

Highlighting formulas (II)

• Example:

$$x + y = 10$$

Code:

```
\[\tikzmarkin<2->{a}x+
\tikzmarkin<1>{b}y\tikzmarkend{b}
=10\tikzmarkend{a}\]
```

The output

The pdf generated, has automatically, some properties:

- the title
- the name of the author
- the subject:
 - Thesis Presentation by using the english language
 - Presentazione Tesi di Laurea by using the italian language

This is possible thanks to the available options of hyperref. To create references in the text, use:

- \label{name-reference} in the starting point
- \ref{name-reference} in the point you want to show the reference
- \href{url}{name-url} to specify web addresses

Suggestions

• To realize a frame it is possible use the environment *frame* with top (t), center (c) or bottom (b) alignment: I suggest you to use the top alignment; this is the basic code:

```
\begin{frame}[t]{title-of-the-frame}
text
```

\end{frame}

 To make things easier, it has been introduced a new environment which is able to have the top property property intrinsic: \begin{tframe}{title-of-the-frame}

```
text
\end{tframe}
```

Suggestions (II)

- To realize the titlepage with all options, it has been introduced the command \titlepageframe
 - Of course, it is also possible to use the standard approach \begin{frame}[plain] \titlepage \end{frame}
 - o In this case do not provide a title for the frame
- If you have to insert some code using verbatim or listings do not exploit tframe environment, but:

```
\begin{frame}[t,fragile]{title-of-the-frame}
\verb!code!
\end{frame}
```

Suggestions (III)

- If the title does not fit in the footer box, it is possible to exploit the so called *shorttitle*; an example:
 - \title[short title]{Long title of the thesis}
 In this way the long title is just placed in the titlepage.
- In case there are more than two supervisors or assistansupervisors,
 I suggest you to insert them through commands reported in ??
 and separate names thanks to a comma.

On Facebook

The relevance of Facebook is known to everybody: due to this reason, you can find:

- the group Beamer2Thesis
- the page Beamer2Thesis

In this way you can post your comments, hints, suggestion and questions in more familiar way. Morevoer, you can find further examples.

History

Here are shortly reported the main features of the releases:

- basic version (2011-01-17):
 - colors, second logo, second candidate, tframe environment, titleline, bullets, languages, separator string for slide numeration;
- release 2.0:
 - third logo, assistant supervisor, new ways to highlight, new command for the titlepage, new environments adv and disadv, XaTeX and XaleTeX support, blocks;
- release 2.1:
 - coding option, second supervisor, second assistantsupervisor;
- release 2.2:
 - o language, short title, highlighting formulas.

Thanks

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