Chapter G:I

First Steps
Style Files and Options

Make the following style files accessible for Latex: (via texmf tree, same directory)

```
lecture.cls
size17r.clo
expandonce_sauer.sty
```

Optional arguments for lecture.cls: (default in blue)

```
{ latin1, utf8 }  { nimbus, texgyre }  { american, german }
{ 1:1, 5:4, 9:7, 4:3, 17:12, 3:2, 8:5, 16:9 }  legacy
```

First Steps
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{ 1:1, 5:4, 9:7, 4:3, 17:12, 3:2, 8:5, 16:9 }  legacy
```

Code for a frame file with a single slide: (see rendering on next page)

```
\documentclass{lecture}
\begin{document}

\bsauthor{Webis}
\bsyear{2023}
\begin{bsslide} \lipsum[1][1] \end{bsslide}

\end{document}
```

Lorem ipsum dolor sit amet, consectetuer adipiscing elit.

SLIDE

Chapter G:I

I. Style Guide

- ❏ First Steps
- ❏ Slide Examples
- ❏ Slide Commands Overview
- ❏ Latex Hints

- ❏ Lecturenotes Typesetting Test

- ❏ Lecturenotes Figures

Slide Examples
Standard Slide

```
\begin{bsslide}[<SLIDEHEAD>]
\colortext{<SUBHEAD>}
\bspar2 % Or some other value:\bspar0 ... \bspar9 ... \bspar{NUMBER}.
<TEXT>
\end{bsslide}
```

Slide Examples
Standard Slide + Continuous Slide

```
\begin{bsslide}[<SLIDEHEAD>]
\colortext{<SUBHEAD>}
\bspar2 % Or some other value:\bspar0 ... \bspar9 ... \bspar{NUMBER}.
<TEXT>
\end{bsslide}


\begin{bsslide}[<SLIDEHEAD>]
\lastslide % Replay previous slide without <SLIDEHEAD>.
<TEXT>
\end{bsslide}
```

Slide Examples
Standard Slide + Continuous Slide + Continuous Slide

```
\begin{bsslide}[<SLIDEHEAD>]
\colortext{<SUBHEAD>}
\bspar2 % Or some other value:\bspar0 ... \bspar9 ... \bspar{NUMBER}.
<TEXT>
\end{bsslide}



\begin{bsslide}[<SLIDEHEAD>]
\lastslide % Replay previous slide without <SLIDEHEAD>.
<TEXT>
\end{bsslide}



\begin{bsslide}[<SLIDEHEAD>]
\lastslide % Replay previous slide (without <SLIDEHEAD>).
<TEXT>
\end{bsslide}
```

Slide Examples
Animated Slides

```
\renewcommand{\textcolorA}{white} % Store a color in a variable.
\begin{bsslide}
<TEXT>
\color{\textcolorA} % Hide following content.
<TEXT>
\end{bsslide}


\renewcommand{\textcolorA}{black} % Redefine the color variable.
\begin{bsslide}
\lastslide % Replay previous slide with changed color.
\end{bsslide}
```

Slide Examples
Lists

```
\begin{itemize}
\setlength{\itemsep}{1ex}% Or some other value.
\item
<TEXT>
\coloritem[<COLOR>]
<COLORED TEXT>
\item
<TEXT>
\end{itemize}
```

Slide Examples

Animated List

1. Lorem ipsum dolor sit amet, consectetuer adipiscing elit.

2. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis.

3. Curabitur dictum gravida mauris.

Slide Examples

Animated List

1. Lorem ipsum dolor sit amet, consectetuer adipiscing elit.

2. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis.

3. Curabitur dictum gravida mauris.

Slide Examples

Animated List

1. Lorem ipsum dolor sit amet, consectetuer adipiscing elit.

2. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis.

3. Curabitur dictum gravida mauris.

SLIDE

Slide Examples
Animated List: Code

```
\renewcommand{\textcolorA}{ultralightgray}
\renewcommand{\textcolorB}{ultralightgray}

\begin{bsslide}[Slide Examples]
\colortext{Animated List}
\bspar2
\begin{enumerate}
\setlength\itemsep{1ex}
\item
\lipsum[1][1]
\coloritem[\textcolorA]
\lipsum[1][2]
\coloritem[\textcolorB]
\lipsum[1][3]
\end{enumerate}
\end{bsslide}

\renewcommand{\textcolorA}{black}
\begin{bsslide}[Slide Examples]
\lastslide
\end{bsslide}

\renewcommand{\textcolorA}{mediumgray}
\renewcommand{\textcolorB}{\altcolor}
\begin{bsslide}[Slide Examples]
\lastslide
\end{bsslide}
```

Slide Examples
Tables

```
\renewcommand{\arraystretch}{1.2} % Or some other value.
\setlength{\tabcolsep}{20pt}
\small

\begin{tabular}{cc}
\setlength{\itemsep}{1ex}
\toprule
\bfseries <COLUMN HEAD> & \bfseries <COLUMN HEAD> \\
\midrule
<TEXT> & <TEXT> \\
<TEXT> & <TEXT> \\
\bottomrule
\end{tabular}
```

Slide Examples

Figures (centered)

Lorem ipsum dolor sit amet, consectetuer
adipiscing elit.

Code

```
\lipsum[1][1]
\bsfigure[scale=0.3]{sample-figure}
```
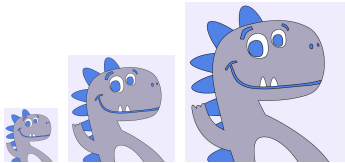
Slide Examples

Figures (inline)

Lorem ipsum dolor sit amet, consectetuer adipiscing elit.

Lorem ipsum dolor sit amet, consectetuer adipiscing elit.
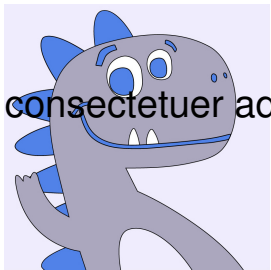
Code

```
\lipsum[1][1]
\bsfigure[scale=0.3]{sample-figure}
```

```
\lipsum[1][1]
\par
\bsfigureaux[scale=0.1]{sample-figure}
\bsfigureaux[scale=0.2]{sample-figure}
\bsfigureaux[scale=0.3]{sample-figure}
```

Slide Examples

Figures (displaced)

Code

Lorem ipsum dolor sit amet, consectetuer adipiscing elit.

```
\lipsum[1][1]
\bsfigure[scale=0.3]{sample-figure}
```


Lorem ipsum dolor sit amet, consectetuer adipiscing elit.

```
\lipsum[1][1]
\par
\bsfigureaux[scale=0.1]{sample-figure}
\bsfigureaux[scale=0.2]{sample-figure}
\bsfigureaux[scale=0.3]{sample-figure}
```


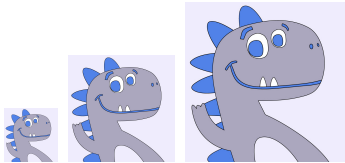Lorem ipsum dolor sit amet, consectetuer adipiscing elit.

```
\lipsum[1][1]
\raisebox{-10ex}[0em][0ex]
    \bsfigureaux[scale=0.5]{sample-figure}
```

Lorem ipsum dolor sit amet, consectetuer
adipiscing elit.

```
\hspace{-12pt}\makebox(0em,0ex)[l]{%
    \bsfigureaux[scale=4.5]{sample-figure}}%
\hspace{12pt}\lipsum[1][1]
```

Slide Examples
Remarks Slide

```latex
\begin{bsslide}
\small
Remarks:
\begin{itemize}
\setlength{\itemsep}{1ex}
\item
<TEXT>
\item
<TEXT>
\end{itemize}
\end{bsslide}
```

Slide Examples

Lecture Content Slide (see rendering)

```
\bsauthor{STEIN}
\bscollection{G}
\bspartname{Style Guide}
\bsyear{2023}

\setcounter{bspart}{1}
\setcounter{page}{1}
\setcounter{theorem}{0}

\begin{bsslide}[\bsparthead]
\bspar1
\begin{bspartenumerate}
\coloritem[{emcolor}]
Style Guide

\begin{itemize}
\small
\coloritem
First Steps
\coloritem
Slide Examples

  ⋮

\end{itemize}

\end{bspartenumerate}
\end{bsslide}
```

Slide Examples

Hyperlinks: (1) Absolute URL

(1) [Example: Webis Machine Learning]

```
\begin{bsslide}
\bshyperref[<STYLE COMMANDS>]{<URL>}{<FRAGMENT ID>}{<CLICKABLE TEXT>}
\end{bsslide}
```

Slide Examples

Hyperlinks: (2) Within Same ("intra") Unit

(1)   [Example: Webis Machine Learning]

```
\begin{bsslide}
\bshyperref[<STYLE COMMANDS>]{<URL>}{<FRAGMENT ID>}{<CLICKABLE TEXT>}
\end{bsslide}



\begin{bsslide}[<SLIDEHEAD>\hypertarget{<LABEL>}{}]
<TEXT>
\end{bsslide}
```

(2)   [Example: Lecture content]

```
\begin{bsslide}
\bshyperref {}{<LABEL>}{<CLICKABLE TEXT>}
\end{bsslide}
```

Slide Examples

Hyperlinks: (3) Between Different ("inter") Units

(1) [Example: Webis Machine Learning]

```
\begin{bsslide}
\bshyperref[<STYLE COMMANDS>]{<URL>}{<FRAGMENT ID>}{<CLICKABLE TEXT>}
\end{bsslide}
```

```
\begin{bsslide}[<SLIDEHEAD>\hypertarget{<LABEL>}{}]
<TEXT>
\end{bsslide}
```

(2) [Example: Lecture content]

```
\begin{bsslide}
\bshyperref {}{<LABEL>}{<CLICKABLE TEXT>}
\end{bsslide}
```

(3) [Example: Hypothesis]

```
\begin{bsslide}
\bshyperref [\interunitrefstyle]
    {<COLLECTION NAME>/<UNIT NAME>.pdf}{<LABEL>}{<CLICKABLE TEXT>}
\end{bsslide}
```

Slide Examples

Hyperlinks: (3) Between Different ("inter") Units

(1)   [Example: Webis Machine Learning]

```
\begin{bsslide}
\bshyperref[<STYLE COMMANDS>]{<URL>}{<FRAGMENT ID>}{<CLICKABLE TEXT>}
\end{bsslide}
```

```
\begin{bsslide}[<SLIDEHEAD>\hypertarget{<LABEL>}{}]
<TEXT>
\end{bsslide}
```

(2)   [Example: Lecture content]

```
\begin{bsslide}
\bshyperref {}{<LABEL>}{<CLICKABLE TEXT>}
\end{bsslide}
```

(3)   [Example: Hypothesis]

```
\begin{bsslide}
\bshyperref [\interunitrefstyle]
   {<COLLECTION NAME>/<UNIT NAME>.pdf}{<LABEL>}{<CLICKABLE TEXT>}
\end{bsslide}
```

> Note that `<COLLECTION NAME>/<UNIT NAME>.pdf` is sufficient since lecture.cls defines
> `\baseurl` as 'https://webis.de/downloads/lecturenotes/'.

Slide Examples

Hyperlinks: Tweaking the Style

(1) Absolute URL   (automatic default: solid line)

```
\bshyperref{...
\bshyperref[\bshyperrefstyle]{...
\graytext{\bshyperref[\color{mediumgray}\bshyperrefstyle]{...
\bshyperref[\uline]{...
\graytext{\bshyperref[\color{mediumgray}\uline]{...
```

[Webis Machine Learning](#) Text
[Webis Machine Learning](#) Text
Webis Machine Learning Text
[Webis Machine Learning](#) Text
Webis Machine Learning Text

Slide Examples

Hyperlinks: Tweaking the Style

(1) Absolute URL   (automatic default: solid line)

`\bshyperref{...`	Webis Machine Learning Text
`\bshyperref[\bshyperrefstyle]{...`	Webis Machine Learning Text
`\graytext{\bshyperref[\color{mediumgray}\bshyperrefstyle]{...`	Webis Machine Learning Text
`\bshyperref[\uline]{...`	Webis Machine Learning Text
`\graytext{\bshyperref[\color{mediumgray}\uline]{...`	Webis Machine Learning Text

(2) Within Same ("intra") Unit   (automatic default: dashed line)

`\bshyperref{}{...`	Lecture content Text
`\bshyperref[\intraunitrefstyle]{}{...`	Lecture content Text
`\graytext{\bshyperref[\color{mediumgray}\intraunitrefstyle]{}{...`	Lecture content Text
`\bshyperref[\udash]{}{...`	Lecture content Text
`\graytext{\bshyperref[\color{mediumgray}\udash]{}{...`	Lecture content Text

Slide Examples
Hyperlinks: Tweaking the Style

(1) Absolute URL   (automatic default: solid line)

```
\bshyperref{...                                              Webis Machine Learning Text
\bshyperref[\bshyperrefstyle]{...                            Webis Machine Learning Text
\graytext{\bshyperref[\color{mediumgray}\bshyperrefstyle]{...  Webis Machine Learning Text
\bshyperref[\uline]{...                                       Webis Machine Learning Text
\graytext{\bshyperref[\color{mediumgray}\uline]{...          Webis Machine Learning Text
```

(2) Within Same ("intra") Unit   (automatic default: dashed line)

```
\bshyperref{}{...                                            Lecture content Text
\bshyperref[\intraunitrefstyle]{}{...                        Lecture content Text
\graytext{\bshyperref[\color{mediumgray}\intraunitrefstyle]{}{...  Lecture content Text
\bshyperref[\udash]{}{...                                     Lecture content Text
\graytext{\bshyperref[\color{mediumgray}\udash]{}{...        Lecture content Text
```

(3) Between Different ("inter") Units   (via option)

```
\bshyperref[\interunitrefstyle]{...                          Hypothesis Text
\graytext{\bshyperref[\color{mediumgray}\interunitrefstyle]{...  Hypothesis Text
\bshyperref[\uwave]{...                                       Hypothesis Text
\graytext{\bshyperref[\color{mediumgray}\uwave]{...          Hypothesis Text
```

Slide Examples
Hyperlinks: Tweaking the Style

(1) Absolute URL   (automatic default: solid line)

```
\bshyperref{...                                            Webis Machine Learning Text
\bshyperref[\bshyperrefstyle]{...                          Webis Machine Learning Text
\graytext{\bshyperref[\color{mediumgray}\bshyperrefstyle]{...   Webis Machine Learning Text
\bshyperref[\uline]{...                                     Webis Machine Learning Text
\graytext{\bshyperref[\color{mediumgray}\uline]{...         Webis Machine Learning Text
```

(2) Within Same ("intra") Unit   (automatic default: dashed line)

```
\bshyperref{}{...                                          Lecture content Text
\bshyperref[\intraunitrefstyle]{}{...                      Lecture content Text
\graytext{\bshyperref[\color{mediumgray}\intraunitrefstyle]{}{...   Lecture content Text
\bshyperref[\udash]{}{...                                   Lecture content Text
\graytext{\bshyperref[\color{mediumgray}\udash]{}{...       Lecture content Text
```

(3) Between Different ("inter") Units   (via option)

```
\bshyperref[\interunitrefstyle]{...                        Hypothesis Text
\graytext{\bshyperref[\color{mediumgray}\interunitrefstyle]{...   Hypothesis Text
\bshyperref[\uwave]{...                                     Hypothesis Text
\graytext{\bshyperref[\color{mediumgray}\uwave]{...         Hypothesis Text
```

(4) Suppress Underlining   (via stated but empty option)

```
\bshyperref[]{...                                          Lecture content Text
```

Slide Examples
Hyperlinks: Tweaking the Style (continued)

`\let\bshyperrefstyle\relax`, `\let\intraunitrefstyle\relax`, `\let\interunitrefstyle\relax`

(1) Absolute URL (automatic default: solid line)

`\bshyperref{...`	Webis Machine Learning Text
`\bshyperref[\bshyperrefstyle]{...`	Webis Machine Learning Text
`\graytext{\bshyperref[\color{mediumgray}\bshyperrefstyle]{...`	Webis Machine Learning Text
`\bshyperref[\uline]{...`	Webis Machine Learning Text
`\graytext{\bshyperref[\color{mediumgray}\uline]{...`	Webis Machine Learning Text

(2) Within Same ("intra") Unit (automatic default: dashed line)

`\bshyperref{}{...`	Lecture content Text
`\bshyperref[\intraunitrefstyle]{}{...`	Lecture content Text
`\graytext{\bshyperref[\color{mediumgray}\intraunitrefstyle]{}{...`	Lecture content Text
`\bshyperref[\udash]{}{...`	Lecture content Text
`\graytext{\bshyperref[\color{mediumgray}\udash]{}{...`	Lecture content Text

(3) Between Different ("inter") Units (via option)

`\bshyperref[\interunitrefstyle]{...`	Hypothesis Text
`\graytext{\bshyperref[\color{mediumgray}\interunitrefstyle]{...`	Hypothesis Text
`\bshyperref[\uwave]{...`	Hypothesis Text
`\graytext{\bshyperref[\color{mediumgray}\uwave]{...`	Hypothesis Text

(4) Suppress Underlining (via stated but empty option)

`\bshyperref[]{...`	Lecture content Text

Slide Examples

Hyperlinks: Tweaking the Style (continued)

```
\setkeys{Hyp}{urlcolor=\altcolor,linkcolor=\keywordcolor}
```

(1) Absolute URL   (automatic default: solid line)

```
\bshyperref{...                                              Webis Machine Learning Text
\bshyperref[\bshyperrefstyle]{...                            Webis Machine Learning Text
\graytext{\bshyperref[\color{mediumgray}\bshyperrefstyle]{...   Webis Machine Learning Text
\bshyperref[\uline]{...                                      Webis Machine Learning Text
\graytext{\bshyperref[\color{mediumgray}\uline]{...          Webis Machine Learning Text
```

(2) Within Same ("intra") Unit   (automatic default: dashed line)

```
\bshyperref{}{...                                            Lecture content Text
\bshyperref[\intraunitrefstyle]{}{...                        Lecture content Text
\graytext{\bshyperref[\color{mediumgray}\intraunitrefstyle]{}{...   Lecture content Text
\bshyperref[\udash]{}{...                                    Lecture content Text
\graytext{\bshyperref[\color{mediumgray}\udash]{}{...        Lecture content Text
```

(3) Between Different ("inter") Units   (via option)

```
\bshyperref[\interunitrefstyle]{...                          Hypothesis Text
\graytext{\bshyperref[\color{mediumgray}\interunitrefstyle]{...   Hypothesis Text
\bshyperref[\uwave]{...                                      Hypothesis Text
\graytext{\bshyperref[\color{mediumgray}\uwave]{...          Hypothesis Text
```

(4) Suppress Underlining   (via stated but empty option)

```
\bshyperref[]{...                                            Lecture content Text
```

Slide Examples
Hyperlinks: Tweaking the Style (continued)

```
\setkeys{Hyp}{colorlinks=false}% Before \begin{document}.
```

(1) Absolute URL   (automatic default: solid line)

```
\bshyperref{...                                                  Webis Machine Learning Text
\bshyperref[\bshyperrefstyle]{...                                Webis Machine Learning Text
\graytext{\bshyperref[\color{mediumgray}\bshyperrefstyle]{...    Webis Machine Learning Text
\bshyperref[\uline]{...                                          Webis Machine Learning Text
\graytext{\bshyperref[\color{mediumgray}\uline]{...              Webis Machine Learning Text
```

(2) Within Same ("intra") Unit   (automatic default: dashed line)

```
\bshyperref{}{...                                                Lecture content Text
\bshyperref[\intraunitrefstyle]{}{...                            Lecture content Text
\graytext{\bshyperref[\color{mediumgray}\intraunitrefstyle]{}{...  Lecture content Text
\bshyperref[\udash]{}{...                                        Lecture content Text
\graytext{\bshyperref[\color{mediumgray}\udash]{}{...            Lecture content Text
```

(3) Between Different ("inter") Units   (via option)

```
\bshyperref[\interunitrefstyle]{...                              Hypothesis Text
\graytext{\bshyperref[\color{mediumgray}\interunitrefstyle]{...  Hypothesis Text
\bshyperref[\uwave]{...                                          Hypothesis Text
\graytext{\bshyperref[\color{mediumgray}\uwave]{...              Hypothesis Text
```

(4) Suppress Underlining   (via stated but empty option)

```
\bshyperref[]{...                                                Lecture content Text
```

Slide Examples
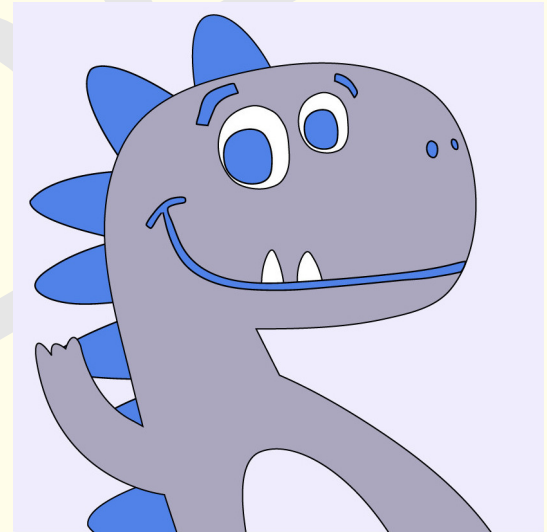
Animated Two-Column Slide

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat.

Slide Examples

Animated Two-Column Slide

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo.

Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.

Slide Examples
Animated Two-Column Slide: Code

```
\setlength\columnsep{2em} % Or some other value.
\twocolumn
\begin{bsslide}[Slide Examples] % First column.
\colortext{Animated Two-Column Slide}
\bspar{2}
\lipsum[1][1-10]
\end{bsslide}
\clearpage % Second column empty.

\begin{bsslide}[Slide Examples] % Replay first column.
\lastslide
\end{bsslide}

\begin{bsslide}[\ ] % Second column.
\ % Ensure column alignment by creating an empty line.
\bspar{2}
\color{mediumgray}
\lipsum[2][1-2]
\bsfigure{sample-figure}
\lipsum[2][3]
\end{bsslide}
\onecolumn
```

Slide Examples

— Restyle Head and Foot —

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

Slide Examples
Restyle Head and Foot: Code

```
\bsslideheadstyle{\huge\color{\defaultcolor}\rule[-1.5ex]{0em}{4ex}}
\bsfoot{
    \thepage/102\hfill
    \makebox(90pt,8pt)[lt]{\includegraphics[height=12pt]{buw-logo_blue}}
    }

\begin{bsslide}[\centerline{Slide Examples}]
\centerline{--- \Restyle Head and Foot \ ---}
\bspar2
\lipsum[1][1-3]
\end{bsslide}
```

Chapter G:I

I. Style Guide

Slide Commands Overview
(1) Slide Environment

```
\begin{bsslide}
\lastslide
\end{bsslide}                    (see example)

\bsauthor{<LASTNAME>}
\bsyear{<YEAR>}                  (printed as right footer part, see example)
```

Standard variables:

```
\textbufferA,...bufferI         (save arbitrary Latex code)
\textcolorA,...colorI           (save color name or color specification, see example)
```

Redefinition of slide style: (see example)

```
\bsslideheadstyle{<LATEX>}
\bsfoot{<LATEX>}
```

For lecturenotes authors: (see example)

```
\bscollection{<ACRONYM>}
\bspartname{<NAME>}             (printed as left footer part)

\begin{bspartenumerate}
\end{bspartenumerate}
```

Slide Commands Overview

(2) Predefined Colors and Color Commands

```
\defaultcolor        \colortext[\defaultcolor]{webisblueLD}      webisblueLD
\altcolor            \altcolortext{webisgreenA3}                 webisgreenA3
\emcolor             \emcolortext{webisredTL1}                   webisredTL1
\keywordcolor        \keywordcolortext{webispurpleTL2}           webispurpleTL2

\coloritem[<COLOR>]  % Within itemize environment.                (see example and test)
```

Additional colors:

```
ultralightgray       {gray}{0.90}
lightgray            {gray}{0.80}
mediumgray           {gray}{0.60}
darkgray             {gray}{0.40}
ultralightyellow     {rgb}{1.00,0.98,0.87}
lightyellow          {rgb}{1.00,0.97,0.70}
```

blue	webisblueA1	webisblueA2	webisblueA3	webisblueTL1	webisblueTL2	webisblueLD
green	webisgreenA1	webisgreenA2	webisgreenA3	webisgreenTL1	webisgreenTL2	webisgreenLD
red	webisredA1	webisredA2	webisredA3	webisredTL1	webisredTL2	webisredLD
purple	webispurpleA1	webispurpleA2	webispurpleA3	webispurpleTL1	webispurpleTL2	webispurpleLD
yellow	webisyellowA1	webisyellowA2	webisyellowA3	webisyellowTL1	webisyellowTL2	webisyellowLD

Slide Commands Overview
(3) Additional Text Elements

[Sample text](#)   `\bshyperref{http://webis.de/lecturenotes.html}`
                                     `{machine-learning}{Sample text}`

      `\bsfigure[height=24pt]{sample-figure}`

(1) , (2) , ..., (6)   `\Ni, \Nii,..., \Nvi`

➜ ➜ ➜   `\bsarrow \bsarrow[mediumgray] \bsarrow[\altcolor]`

$\rightsquigarrow \mathcal{BOARD}$ `\bsbb`   (language-dependent command, 'bb' means 'blackboard')

[p.x, Author yyyy]   `\bscite[p.x, Author yyyy]`   (command switches to `\small`)

(continued)   `\bscont`   (language-dependent command, switches to `\small`)

~~original~~ replacement   `\bscom{original}{replacement}`

Remarks (slide commands) :

❑ Aside from the listed commands, lecture.cls does not introduce additional commands for rendering slide content. The philosophy is to leave maximum (Latex) freedom for the slide author, and not to to predefine commands for a "semantic slide layer".

❑ A convention is that additional commands should be defined at the frame-file-level. In this regard, an existing style file `FRAME_FILE_NAME.sty` is automatically loaded.

For this part (Style Guide) the name of the style file is `part-en-styleguide.sty`.

Chapter G:I

I. Style Guide

Latex Hints
Your Latex Code is Read by Others

- SPSS. "Same Problem, Same Solution"
  Create the same effects always in the same way.

- ROC. "Remove or Comment"
  Remove unused slide content or provide an explaining comment why you keep it as comment. The code should present itself to third parties as clean and tidy as possible.

- Classify explicitly the type of comment:

```
%%% NOTES. (<ABOUT>)
%%%
%%% <EXPLANATORY TEXT>

%%% ADDITIONS.
%%% SOURCES.
%%% TODO.
```

- Comments may be placed outside or inside the `bsslide` environment.

- Exclamation marks (also in comments) are taboo.

Latex Hints
Some Debugging

❑ If font size `\small` (or other) is used for a text passage, the font switch back to `\normalsize` (which happens at the latest with `\end{bsslide}`) will cause the last line of the passage being typeset with `\normalsize` baseline skip. This undesired behavior is avoided if the passage is closed with a `\par`.

❑ Math environment. Put `\\` after the closing `$$` (or `\]`) to suppress vertical adjustments.

❑ German text. Use `"=` instead of `-` in hyphened words to enable automatic hyphenation in `\raggedright` mode (default).

❑ Output messages from within Latex via `\message{<LATEX>}` or `\typeout{<LATEX>}`.

  Example: `\message{^^J Page:  \thepage ^^J^^J}`
           `\typeout{Page:  \thepage}`