# The tufte-style-article class

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https://github.com/sylvain-kern/tufte-style-article

tufte-style-article is a LTEX class with a design similar to Edward Tufte's works. His designs are known for their simplicty, legibleness, extensive use of sidenotes in a wide dedicated margin and tight text and graphic integration. This class is however not a rigourous copy of E.Tufte's works, it is more of an inspiration. It also includes design features from *The Elements of Typographic Style*.¹

This documentation gives a glimpse of what the class looks like and does, while explaining how to install and use it. I tried to make it as exhaustive as I could; some parts can however still be unexplained or so do not hesitate to ask me if something remains unclear. I tested it on several LTEX distributions, but it can still spit unexpected errors. Feel free to ask me for information or report a malfunction if you encounter one!

I am aware that numerous Tufte or Bringhurst-based classes exist within the Lagrange Text and the Lagrange Text and the Lagrange Text and the second text are second to the second text and the second text are second to the second text and the second text are second to the second text and the second text are second to the second text and the second text are second to the second text are second to the second text and the second text are second to the second text are second text and the second text are second to th

Before I dive into the details, I want to thank the members of tex.stackexchange.com, who are basically an endless source of knowledge. They basically prevented me from give up upon the first issue.

Edward Tufte is a statistician, computer scientist and professor at Yale University. His personal website: www.edwardtufte.com

1 ROBERT BRINGHURST, The Elements of Typographic Style, 1999.

See section 5 for known issues, questions about this class and bug reporting.

I give some information for contributors on section 4.

2 CONTENTS

## **Contents**

Package definition

```
Installation 3

MiKTEX users on Windows 3 TEX Live users on Linux 4
Presentation and usage 4

Class definition and options 4 The big margin 5 Paragraphs 6

Fonts 7 Figures, tables and floating stuff 7 Code 14 Compilation 17
Customization possibilities 17

Language 17
Contribute 17
Known issues 17
```

#### 1 Installation

This class' source file is tufte-style-article.cls, available on the following repository:

www.github.com/sylvain-kern/tufte-style-article.

The file can just be put in the same folder as your main .tex file. Overleaf users will have to do this, since it does not support custom class installation. For Windows or Linux users with an installed LTEX distribution, please see respectively the two following sections, on how to install tufte-stylearticle on your system.

In order to make the code environments<sup>2</sup> and syntax highlighting work, it is needed to have Python<sup>3</sup> installed on your system, along with the pygments package. With pip simply execute

- 2 See section code.
- **3** Python has to be on the PATH.

pip install pygments

### MiKT<sub>E</sub>X users on Windows

 Create a localtexmf<sup>4</sup> directory if you do not already have one, for instance

C:\Users\<you>\localtexmf

- 2. Create a tex\latex\ directory in the localtexmf one, and inside it, create a folder named tufte-style-article.
- 3. Paste the tufte-style-article.cls file in that tufte-style-article folder and you should be good. Eventually, the class file is located at

C:\Users\<you>\localtexmf\tex\latex\tufte-style-article\tufte
 style-article.cls

Open MiKTEX console, go to Settings, Directories tab. Click on add, and enter yout texmf path.

C:\Users\<you>\localtexmf

5. Finally, go to the tasks tab, and hit Refresh file name database. tufte-style-article is now installed on your system! MiKTEX will recognize and find the class file without it having to be in your project folder.

4 More on texmf and how to install custom classes and packages on MiKTEX here:

https://tex.stackexc
hange.com/questions/10
498/installing-a-class.

# nd how 1 Cre

5 More on texmf and how to install custom classes and packages on TEX Live here:

https://tex.stackexc hange.com/questions/96 976/install-custom-cls -using-tex-live-in-loc al-directory.

## T<sub>E</sub>X Live users on Linux

 Create a localtexmf<sup>5</sup> directory if you do not already have one, for instance

```
$HOME/.texmf
```

- 2. Create a tex/latex/ directory in the .texmf one, and inside it, create a folder named tufte-style-article.
- 3. Paste the tufte-style-article.cls file in that tufte-style-article folder and you should be good. Eventually, the class file is located at:

```
$HOME/.texmf/tex/latex/tufte-style-article/tufte-style-articl

e.cls
```

4. Update the texmf with

```
mktexlsr $HOME/.texmf
```

5. Check if it worked with

```
kpsewhich tufte-style-article.cls
```

tufte-style-article is now installed on your system! TeX Live will recognize and find the class file without it having to be in your project folder.

## 2 Presentation and usage

This section has come quite thick, so a cheat sheet should come soon to summarize all this.

## Class definition and options

This class is named tufte-style-article. The preamble is therfore written as follows.

THE BIG MARGIN 5

```
\documentclass[<options>]{tufte-style-article}
```

It is inherited from the article class, so all the options of the latter fit in tufte-style-article's options. There are also new ones for this class, which are:

raggedright	Makes all paragraphs align on the left without right-
	justification, as it is the case in this very document.
parskip	Separates paragraphs with a vertical space instead of indenting so that all text is rigorously left-aligned.
noheaders	Deletes the current section reminder on page header, just displays the page number on the top outer corner.
casual	Makes all sections numberless. Puts them natively in
	the toc anyway.
sans	Turns the font to sans serif Source Sans Pro, for extreme casualness.
colorful	Like in this document, makes titles, figure labels and note numbers colored. The accent color is defined by main_accent.
notufte	Remove margins. Turns sidenotes to footnotes and makes figure captions appear under them. Appropried for small casual reports or for pandoc conversion.

E.Tufte prefers left over full justification because it reduces the variation of spaces between words. The irregularities on the right makes the lines also easier to follow. Howewer, R.Bringhurst fully justifies the main text in his *Elements*, so I decided to give this choice to the user. Both indent paragraphs on the first line, except just after title headers.

## The big margin

As one may have noticed, there is a big outer margin, a design feature present in all E.Tufte's works but also in the *Elements of Typographic style*. I find this design –a *1.5-column* setup– to have many advantages over a regular one-column setup. Here are a few reasons why.

- The main text block has a reduced width of about thirteen words per line, which makes the eyes follow the lines easier.
- The layout is less constrained thanks to the negative space freed in the margin.
- The margin can be used to place elements that would break the main prose, such as sidenotes, 6 captions of figures, tables and other stuff, and even small figures. This tidies up the main text area while making margin stuff immediately noticeable, but not disturbing.
- $\cdot$  The overall text-image inclusion comes tighter and more natural.

All in all, this design is neither too crowded as everything is at its place, nor too empty due to huge blank margins.

To insert a numbered margin note, use  $\sidenote{<\symmvsymm}$ . This gives the following result in the margin.

To insert an unnumbered piece of text in the margin, use

6 Hello there!

7 This is a numbered note.

This is unnumbered margin text.

This is just unformatted text in the margin. It is in \normalsize, which makes it stick out way too much. \sidetext{<your text>}, which gives the following result in the margin.

All pieces of text in the margin are in \footnotesize and \raggedright, as defined in this class' macros.

To insert raw, unformatted text or graphics or whatever in the margin, use the command

\marginpar{<unformatted margin text>} and it will look like what appears here in the margin. Note how it is the same size as the main text.

## Paragraphs

The main text is structured in paragraphs. They can be left-aligned as it is the case here, or fully justified according to your taste, depending on the given class options. Likewise, the paragraphs are whether indented or separated with a vertical space.

The indents are one em wide, *i.e.* the size of the font in pt. If you choose a 11 pt size in the options declaration of the class, then the indent will be 11 pt wide.

This one and the following are paragraphs with vertical space separation. It works better for documents not intended to be read linearly, or when there is few text compared to figures, equations or anything which does not fit in the prose.

The vertical space looks like this, with a separation of one em. This is just some more text to fill the paragraph, and give a glimpse of the overall look. Quick reminder, load the vertical separation with the parskip option in the class definition.

There is a way to make paragraphs stretch all the way to the margins, like this one. See how it continues and reaches for the most outer or inner margin. It also works for two-sided documents so that for odd pages it stretches to the right, and for even pages it stretched to the left. Of course, side notes might be difficult to use here, and I do not predict how \sidenote and \sidetext act here, but it may become handy to have an environment stretch a bit more than the regular text span.

To stretch the main text area to the margins, use the following environment.

```
\begin{wide}
<...your content will be displayed in a wide mode...>
\end{wide}
```

LETEX may not get the formatting right upon first compilation, so if that occurs, just re-execute the compiling program and it should work properly.

FONTS 7

#### **Fonts**

The main serif font is Linux Libertine, loaded with the libertinus package. I find it really legible and well-balanced, while being less harsh than Computer Modern, the default Lagar font. libertinus has full math support too with libertinust1math; here are some examples:

Although E.Tufte uses Monotype Bembo as his main serif font, Libertine seems to be a fair alternative, from the same family, and easy to get with LTPX.

$$e^{x} = \sum_{n=0}^{+\infty} \frac{x^{n}}{n!};$$

$$\frac{\hat{\vec{p}}^{2}}{2m} |\Psi(t)\rangle + V\left(\hat{\vec{r}}, t\right) |\Psi(t)\rangle = i\hbar \frac{\partial}{\partial t} |\Psi(t)\rangle ;$$

$$x_{\pm} = \frac{-b \pm \sqrt{b^{2} - 4ac}}{2a};$$

$$\int_{-\infty}^{+\infty} e^{-\alpha x^{2}} dx = \sqrt{\frac{\pi}{\alpha}}.$$

$$\psi(\vec{r}) = \frac{j}{\lambda} \iint_{S} \psi(\vec{r_{0}}) \frac{e^{jk|\vec{r} - \vec{r_{0}}|}}{|\vec{r} - \vec{r_{0}}|} dS. \tag{1}$$

The sans-serif font is Gillius from the gillius package, which is almost identical as Gill Sans, E.Tufte's choice for sans-serif and book titling. It does not clash with Libertine while being elegant and readable. It particularly suits for titles or page headers as it can be seen on this document.

The mono font is Droid Sans Mono, from the droidmono package. It has a more of a sans-serif style unlike Courier or Computer Modern Teletype, LATEX's default mono font. I find it lighter and more adapted for code snippets. The typographic gray is also about the same as Libertine, so that little urls, emails or code references typed with Droid Sans will not stick out in the serif text.<sup>8</sup>

## Figures, tables and floating stuff

The integration of floats with the Tufte layout is handled with the sidenotes package, loaded with the class definition. The following paragraphs show how to basically use the macros, and for more information, see the package documentation at https://www.ctan.org/pkg/sidenotes.

#### Figure integration

Edward Tufte's designs are known to be really tight when it comes to including images with text. The main pet peeve I had with one-column designs is when I included a small figure in the document, it had to visually break

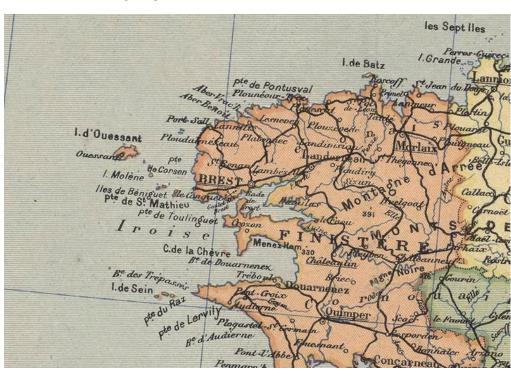
For examples of code writing with this class, see section code.

8 If you want inline pieces of code to stick out, don't worry, macros are provided. See section code.

the text and generate large unpleasing blank spaces. Also, more often than not, the text width was too much for the images, resulting in huge one-liner captions for very small figures.

The 1.5-column design fixes this by putting all captions in the margins, as well as small enough figures, which tidies the document a lot.

Figure 1. 1919 map of the Finistère in French Brittany. This figure is in the main text column, with a caption in the margin aligned with the top of the image. For images narrower than the text width, they will be outer-aligned so that they remain just next their caption.



9 The \label has to be inside the \sidecaption command, otherwise references with \ref won't work.

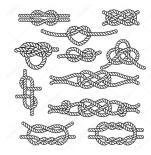


Figure 2. The most common sea boat knots. This image can be displayed rather small, so it fits in the margin. The caption is displayed below.

To put a graphics in the text like in the figure 1, use<sup>9</sup>

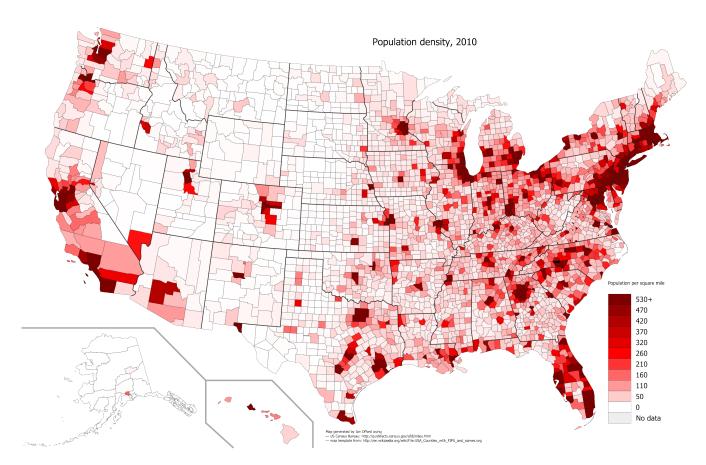
```
\begin{figure}
  \sidecaption{<caption>\label{<label>}} % put this on top
  % \label HAS to be inside the \sidecaption
  \includegraphics[]{<>} % or tikz or anything
\end{figure}
```

To put a figure in the margin like the figure 2, use

```
\begin{marginfigure}
 \includegraphics[]{<>} % or tikz or anything
 \caption{<caption>\label{<label>}}
\end{figure}
```

For wide figures like the figure 3, use

```
\begin{figure*}
  \includegraphics[]{<>} % or tikz or anything
  \sidecaption{<caption>\label{<label>}}
\end{figure*}
```



#### **Shortcuts**

I find typing figure environments repetitive for long (even short) documents, so I made the following macro for figures with \sidecaptions:

```
\textfig[<optional width>]{<file path>}{<caption>}{<label>}
```

The <optional width> is a number between zero and one wich determines the image width relative to the text width. The default value is 1, like on the figure 1.

The same macros are provided for images in the magins and wide images, respectively shown in figures 2 and 3.

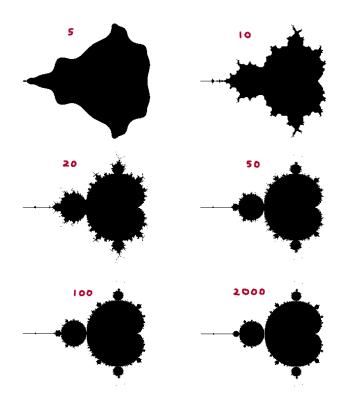
Figure 3. The US census map from data collected in 2010 – www.ecpmlangues.u-strasbg.fr
This is a wide figure, stretching from the innermost to the outermost

margin.

```
% figure in the margin
\marginfig[<optional width>]{<file path>}{<caption>}{<label>}
% wide figure
\widefig[<optional width>]{<file path>}{<caption>}{<label>}
```

If for any reason a figure caption has to be put in the main text block, just use the regular figure environment. The following shortcut macros will also do. The result of \plainfig is shown in figure 4.

```
% plain figure with textwidth
\plainfig[<optional width>]{<file path>}{<caption>}{<label>}
% plain figure with full width
\plainwidefig[<optional width>]{<file path>}{<caption>}{<label>}
```



**Figure 4.** The Mandelbrot set with different depths of iteration. This caption is not in the margin but in the main text area. It can sometimes be useful with really really long captions. 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. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

#### Tables

Table environments work the same as figures, as is is shown in tables 1 and 2.

#### The Standard model of Elementary Particles.

**Table 1.** The elementary particles included in the standard model. This is a table with a \sidecaption.

Three generati	Interactio	teractions (bosons)		
I	II	III		
	QUARKS		GAUGE	SCALAR
<b>u</b> up	<b>c</b> charm	<b>t</b> top	<b>g</b> gluon	H higgs
<b>d</b> down	<b>s</b> strange	<b>b</b> bottom	$\gamma$ photon	
	LEPTONS		<b>Z</b> boson	
e electron	μ muon	τ tau	<b>W</b> boson	
$\mathbf{v_e}$ el. neutrino	$v_{\mu}$ mu. neutrino	$\nu_{\tau}$ tau neutrino		

#### Table des marées au port de Douarnenez (Finistère).

	Ven. 23 juillet 2021		Sam. 24 juillet 2021			Dim. 25 juillet 2021			Lun. 26 juillet 2021				
	heure	hauteu	ır coef.	heure hauteur coef.			heure	hauteur coef.		heure hauteur coef.			
ВМ	04:54	6.06	81	05:46	6.24	88	P M	00:21	0.92	_	01:08	0.88	_
PM	11:05	1.38	_	11:55	1.19	_	BM	06:34	6.34	92	07:19	6.33	92
BM	17:17	6.39	85	18:06	6.59	91	P M	12:41	1.10	_	13:26	1.12	_
P M	23:33	1.10	-	-:-	_	-	BM	18:52	6.67	93	19:36	6.63	91

Table 2. Table des marées à Douarnenez du 23 au 26 juillet 2021, Service Hydrographique et Océanographique de la Marine, maree.shom.fr. This is a wide table, called with the table\* environment. The caption is also a \sidecaption {}.

10 \FloatBarrier works for all floating environments, including figures.

To typeset the table 1, use the following code, which is just a table environment with a \sidecaption. For table 2, use the table\* environment with either \sidecaption or \caption. \FloatBarrier is there to make sure the floats appear in order. 10

```
\cmidrule(lr){1-3}\cmidrule(lr){4-4}\cmidrule(lr){5-5}
   \textbf{u}\sim up & \textbf{c}\sim charm & \textbf{t}\sim top &
   → \textbf{g}~~gluon & \textbf{H}~~higgs \\
   \textbf{d}~~down & \textbf{s}~~strange & \textbf{b}~~bottom &
    → \textbf{\textgamma}~~photon & \\
   \cmidrule(lr){1-3}
   \textbf{e}~~electron & \textbf{\textmu}~~muon &

   \textbf{\texttau}~~tau & \textbf{W} boson & \\

   \textbf{\textnu\textsubscript{e}}~~el. neutrino &

   \textbf{\textnu\textsubscript{\textmu}}~~mu. neutrino &

    \textbf{\textnu\textsubscript{\texttau}}~~tau neutrino & & &
    \bottomrule
 \end{tabular}
\end{table}
```

To produce tables in the margin like table 3, use the margintable environment like in the following.

```
\begin{margintable}[]\small
 \caption{Major, minor and perfect music intervals. ST. stands for
  → \textit{semitones}. This table is in the margin.

        \label{tab:table-margin}}
 \begin{tabular}{ll}
    \toprule
    \textbf{ST.} & \textbf{Intervals} \\
    \midrule
    0 & unison \\
    1 & minor second \\
   2 & major second \\
   3 & minor third \\
   4 & major third \\
    5 & perfect fourth \\
    6 & aug. 4\textsuperscript{th} / dim. 5\textsuperscript{th} \\
    7 & perfect fifth \\
    8 & minor sixth \\
    9 & major sixth \\
    10 & minor seventh \\
    11 & major seventh \\
    12 & octave \\
    \bottomrule
 \end{tabular}
\end{margintable}
```

**Table 3.** Major, minor and perfect music intervals. ST. stands for *semitones*. This table is in the margin.

ST.	Intervals
О	unison
1	minor second
2	major second
3	minor third
4	major third
5	perfect fourth
6	aug. 4 <sup>th</sup> / dim. 5 <sup>th</sup>
7	perfect fifth
8	minor sixth
9	major sixth
10	minor seventh
11	major seventh
12	octave

#### Code

Code can be inserted, whether with simple code boxes or captioned snippets that look like the following.

**Listing 1.** Hello world in C. This is a captioned code snippet.

```
int main(int argc, char *argv[]) {
  printf("Hello world!");
  return 0;
}
```

The background is a light gray that helps make the code stick out just enough without distracting the eye too much. The code itself is syntax colored according to the used language. There are several environments for code boxes, explained below.

For a simple code box with neither line numbering nor caption, the macro environment is the following.

For a code box *with* line numbering –still without a caption– use the following environment.

```
\begin{codeboxnum}{<your language in lowercase>}
<your code>
\end{codeboxnum}
```

For captioned code snippets, the same environments exist, as shown as follows. For example, the listings 1 and 2 are respectively unnumbered and numbered code snippets.

This supports most of the classic languages. Here are some examples for the language option:

c, c++, python, java, latex...

If a specific language is not recognized, use the text option instead: it will display the code without syntax coloring.

CODE 15

```
\begin{snippetnum}{<language>}{<caption>}{<label>}
This code will be displayed in a captioned code box, with line
    numbering.
\end{snippetnum}
```

Small pieces of code can be useful to put in flow of the text. This class provides a command to things like this: public int size() {} . Use the following to insert a piece of code in the text.

```
\inlinecode{<language>}{<your code>}
% if there are curly braces in your code
\inlinecode{<language>}_<your code>_ % or
\inlinecode{<language>}|<your code>|
```

\inlinecode does not break at lines, so be careful, it can sometimes protrude on the right margin. If it is the case, go to a new line by inserting \\just before \inlinecode.

The following chunk is an example snippet to show the look when the code is a bit heftier. See how the box breaks at the end of the page.

```
#include <kernel/multiboot2.h>
   #include <kernel/sys.h>
3
   static const char* tag_table[] = {
4
      "TAG_END",
5
      "TAG_CMDLINE",
      "<unknown>",
      "TAG_MODULE",
      "TAG_MEM",
10
      "TAG_BOOTDEV",
      "TAG_MEMMAP",
11
      "TAG_VBE",
12
      "TAG_FB",
13
      "<unknown>",
14
      "TAG_APM",
15
      "<unknown>",
16
      "<unknown>",
17
      "<unknown>",
18
      "TAG_RSDP1",
19
      "TAG_RSDP2",
20
21
  };
22
   /* Prints the multiboot2 tags given by the bootloader.
```

If the piece of code inside the \inlinecode contains curly braces, use another character to delimit your code, the same at beginning and end. Underscore (\_) and pipe (|) will do fine.

Listing 2. A source code snippet of 29jm's stunningly amazing SnowflakeOS. This is a numbered code snippet that goes through several pages.

```
void mb2_print_tags(mb2_t* boot) {
     if (boot->total_size <= sizeof(mb2_t)) {</pre>
        printke("no tags given");
27
28
        return;
     }
29
     mb2_tag_t* tag = boot->tags;
     mb2_tag_t* prev_tag = tag;
32
33
     do {
34
       const char* tag_name;
35
36
       if (tag->type < sizeof(tag_table) / sizeof(tag_table[0])) {</pre>
37
         tag_name = tag_table[tag->type];
        } else {
39
         tag_name = "<unknown>";
40
41
42
        printk("%12s (%2d): %d bytes", tag_name, tag->type,
43

    tag->size);

        prev_tag = tag;
       tag = (mb2_tag_t*) ((uintptr_t) tag + align_to(tag->size,
        } while (prev_tag->type != MB2_TAG_END);
47
   }
48
49
   /* Returns the first multiboot2 tag of the requested type.
   mb2_tag_t* mb2_find_tag(mb2_t* boot, uint32_t tag_type) {
     mb2_tag_t* tag = boot->tags;
53
54
     mb2_tag_t* prev_tag = tag;
55
     do {
56
       if (tag->type == tag_type) {
57
          return tag;
       }
59
60
        prev_tag = tag;
61
       tag = (mb2_tag_t*) ((uintptr_t) tag + align_to(tag->size,
62
        } while (prev_tag->type != MB2_TAG_END);
63
64
      return NULL;
```

COMPILATION 17

66 }

## Compilation

This class compiles with pdflatex. I tested it with MiKTEX on Windows, TEX-live on Linux and Overleaf. If you use code boxes or snippets, make sure you compile with the -shell-escape flag. Eventually, the following compilation line should work everywhere.

```
pdflatex --shell-escape yourdocument.tex
```

The compilation times can be quite long, especially if there is a lot of heavy code, hopefully it is not a problem for most cases.

I am still working to optimize the class by reducing the compilation time.

## 3 Customization possibilities

## Language

babel works fine, but it can sometimes change some design and layout features.<sup>11</sup> To prevent babel from changing anything, use the following in the preamble –here it is shown for french, you can adapt the language.

\frenchsetup{StandardLayout=true, SmallCapsFigTabCaptions=false}

# 11 For example, the french option changes bullet lists for dashes, indents paragraphs just after section headers, and puts figure labels to \textsc {}.

# 4 Contribute

I am always open to improvements, so feel free to fork the repository to make this the way you want it to be. I am relatively new to ŁTŁX, so I am eager to put the class to higher standards.

## 5 Known issues

In this section I gather the issues that have popped and been reported. I will try to fix them as best as I can. If you spot a malfunction of any kind in this class or you just have a question about all this, feel free to raise an issue on GitHub or send me an email at:

```
sylvain.kern98@gmail.com.
```

• When used, colorful, sans, and notufte are considered unused. It generates the following warning:

```
Unused global option(s) : colorful.
```

- Bad page breaks can still occur for \textfig{}, \widefig{}, and code snippet environments.
- · Marginpar systematically generates the following warnings:

```
Marginpar on page 1 moved.
```

- · I have to work on overfull \hboxes.
- Need to renew the itemize and enumerate environment to \tightlist them up.

## 6 Package definition

The class requires the following packages:

```
% PACKAGE DEFINITION
%
\RequirePackage{geometry}  % page geometry, margin definition
\RequirePackage{emptypage} % if a page is empty, is is really

→ empty

\RequirePackage{fullwidth}  % for wide environments
\RequirePackage{sidenotes}  % for margin stuff
\RequirePackage[
 hypcap=false
                 % hypcap=true spits an error
]{caption}
                 % for caption formatting
\RequirePackage[T1]{fontenc} % font encoding
\RequirePackage[osf]{libertinus}% main font
\RequirePackage{libertinust1math}
\RequirePackage{gillius}
                      % sans font
\if@sans
 osf,
   default
 ]{sourcesanspro}
\fi
\RequirePackage[
 defaultmono,
 scale=.86
\RequirePackage{ragged2e}  % for better raggedright
\RequirePackage{titlesec}  % header customization
```

```
\RequirePackage{titletoc}
                          % toc customization
\RequirePackage{fancyhdr}
                          % page header customization
\RequirePackage{graphicx}
                          % for images
\RequirePackage[
 protrusion=true,
 expansion=true,
 final,
 tracking,
                    % microtypography: fine-tuning in text
]{microtype}
\RequirePackage{amsfonts}
                         % math fonts
                         % math stuff
\RequirePackage{amsmath}
\RequirePackage{mathtools}
                           % amsmath extension
\RequirePackage{physics}
                         % handy shortcuts for physics
\RequirePackage{minted}
                         % for code display
                          % colorz
\RequirePackage{xcolor}
\RequirePackage[framemethod=TikZ]{mdframed} % for custom code boxes
\RequirePackage{tabularx}
                          % adaptive columns on tables
                          % better looking tables
\RequirePackage{booktabs}
\RequirePackage{enumitem}
                          % better looking lists
\RequirePackage[
 super,
 square
]{natbib}
                   % customize \cite{}
\RequirePackage[hidelinks]{hyperref} % automatic references in pdf
\RequirePackage{etoolbox} % really idk what this does
```