

The `simplecv` class*

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1 Introduction

The `simplecv` document class is intended to provide a simple yet elegant way to write your curriculum vitae (resume). This is a repackaging of the `cv` class that has been available with `LyX` for a long time. The change of name has been made necessary by the existence of another `cv` class on CTAN.

Before I delve into the details, I would like to thank Amir Karger, Reuben Thomas and Dekel Tsur for their help and tips.

2 Basic Usage

2.1 Class options

The document class accepts some options (along with the usual `article` class ones). The first set allows to select a style (a set of fonts):

- `sf` `sf` (default) produce title and headers in sans serif fonts;
- `plain` `plain` produce all output with roman fonts.

The rest of the options may be useful according to one's tastes.

- `notopicbreak` `notopicbreak` do not add a line break after long topic labels;
- `contbibnum` `contbibnum` let the numbering of bibliography items be continuous when there are several thebibliography environments;
- `titleabove` `titleabove` output the title above the left and right headers, not below;
- `topictitle` `topictitle` let the first paragraph after each `\item` have font `\topictitlefont`, and therefore act as a kind of title.

*This document corresponds to `simplecv` v1.6a, dated 2014/11/07.

2.2 The header of the CV

The macros below can be used to typeset the top of the CV.

<code>\lefthead</code>	<code>\lefthead[<i>pos</i>]{<i>text</i>}</code> defines what should appear in the upper left of the first page. <i>text</i> may contain <code>\\</code> to break lines. <i>pos</i> can be <code>l</code> , <code>r</code> or <code>c</code> and specifies the horizontal alignment (default is <code>l</code>).
<code>\righthead</code>	<code>\righthead[<i>pos</i>]{<i>text</i>}</code> is like <code>\lefthead</code> , but for the upper right of the first page.
<code>\title</code> <code>\maketitle</code>	<code>\title{<i>text</i>}</code> defines a title, that will appear centered below the headers (or above, if the <code>titleabove</code> option is used). <code>\maketitle</code> actually typesets the header.

2.3 Topics

The CV is divided in topics (and in some cases subtopics). In order to introduce these, the `\section` and `\subsection` macros are reused.

<code>\section</code>	<code>\section{<i>text</i>}</code> gives a title for a new topic of the CV and <code>\subsection{<i>text</i>}</code> does the same for a sub-topic. There are no other sectioning levels.
<code>\subsection</code> <code>topic</code>	The <code>topic</code> environment begins an itemize-like environment where the argument of <code>\item[]</code> is typeset in font <code>\topiclabelfont</code> . A line break is automatically inserted if the label is too long to fit in the margin (this can be controlled by option <code>notopicbreak</code>).

2.4 Miscellaneous

`thebibliography` The `simplecv` document class also has some support for bibliography. You can use the `thebibliography` environment as usual, in particular with BibTeX. The output is similar to the `topic` environment. If you separate your bibliography into several sections, you may want to use the `contbibnum` document class option.

Note that this class also has support for right-to-left languages, such as hebrew (courtesy Dekel Tsur).

3 Customization

You can modify directly the fonts used in the document by using the following macros. They take one parameter which is the font changing command.

<code>\headerfont</code>	<code>\headerfont</code> the font used in both headers. Defaults to sans serif.
<code>\titlefont</code>	<code>\titlefont</code> the font used for the title. Defaults to LARGE sans-serif semi bold condensed.
<code>\sectionfont</code>	<code>\sectionfont</code> the font used by <code>\section</code> when beginning a new topic. Defaults to sans-serif semi bold condensed.
<code>\subsectionfont</code>	<code>\subsectionfont</code> the font used by <code>\subsection</code> when beginning a new topic. Defaults to sans-serif semi bold condensed.

`\topiclabelfont` `\topiclabelfont` the font used for the items' labels. Defaults to sans-serif slanted.

`\topictitlefont` `\topictitlefont` the font used for the items' titles (with option `topictitle`). Defaults to sans-serif slanted.

You can modify the following parameter using `\renewcommand`

`\topicmargin` `\topicmargin` the left margin inside topics. Defaults to 20% of the column width (`0.20\columnwidth`).

4 The Implementation

The fonts used in the layout

```

\sectionfont
\subsectionfont 1 \*class
\topiclabelfont 2 \newcommand{\sectionfont}[1]{\def\cv@sec@fnt{#1}}
\topictitlefont 3 \newcommand{\subsectionfont}[1]{\def\cv@ssec@fnt{#1}}
\headerfont     4 \newcommand{\topiclabelfont}[1]{\def\cv@tlab@fnt{#1}}
\titlefont      5 \newcommand{\topictitlefont}[1]{\def\cv@ttit@fnt{#1}}
                6 \newcommand{\headerfont}[1]{\def\cv@hd@fnt{#1}}
                7 \newcommand{\titlefont}[1]{\def\cv@tit@fnt{#1}}

```

for compatibility

```
8 \let\itemfont=\topiclabelfont
```

Some document class options.

```

9 \DeclareOption{sf}{
10  \sectionfont{\sffamily\fontseries{sbc}\selectfont}
11  \subsectionfont{\sffamily\fontseries{sbc}\selectfont}
12  \topiclabelfont{\sffamily\slshape}
13  \topictitlefont{\sffamily\slshape}
14  \headerfont{\sffamily}
15  \titlefont{\sffamily\fontseries{sbc}\selectfont\LARGE}
16 }
17 \DeclareOption{plain}{
18  \sectionfont{\bfseries}
19  \subsectionfont{\bfseries}
20  \topiclabelfont{\itshape}
21  \topictitlefont{\itshape}
22  \headerfont{}
23  \titlefont{\bfseries\LARGE}
24 }
25 \newif\if@cv@topic@title \cv@topic@titlefalse
26 \DeclareOption{topictitle}{
27  \cv@topic@titletrue
28 }
29 \newif\if@cv@topic@break \cv@topic@breaktrue

```

```

30 \DeclareOption{notopicbreak}{
31   \@cv@topic@breakfalse
32 }
33 \newif\if@cv@cont@bib@num \@cv@cont@bib@numfalse
34 \DeclareOption{contbibnum}{
35   \@cv@cont@bib@numtrue
36   \newcounter{cv@save@bib@num}
37 }
38 \newif\if@cv@title@above \@cv@title@abovefalse
39 \DeclareOption{titleabove}{
40   \@cv@title@abovetrue
41 }
42 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
43 \ExecuteOptions{sf,letterpaper,10pt,oneside,onecolumn,final}
44 \ProcessOptions
45 \LoadClass{article}

```

Support for RTL (Hebrew). This will be defined and set by babel for RTL languages, but we define it here for the benefit of others.

```
46 \newif\if@rl
```

`\lefthead` The left and right headers. These are just saved in macros for use by `\maketitle`.
`\righthead`

```
47 \newcommand{\lefthead}[2][1]{\def\cv@lh@lr{#1}\def\cv@lh{#2}}
48 \newcommand{\righthead}[2][1]{\def\cv@rh@lr{#1}\def\cv@rh{#2}}

```

`\title` The title (like “Curriculum Vitae” or the name of the author). It is just saved in a macro for use by `\maketitle`.

```
49 \renewcommand{\title}[1]{\def\cv@tit{#1}}
```

Default to empty.

```
50 \lefthead{}\righthead{}\title{}
```

`\maketitle` And now a command to actually show the headers

```

51 \newcommand{\cv@header}[2]{%
52   \if@rl%
53     \begin{tabular}[t]{@{\cv@hd@fnt\beginR}#1{\endR}}%
54   \else%
55     \begin{tabular}[t]{@{\cv@hd@fnt}#1{}}%
56   \fi%
57     #2%
58   \end{tabular}}
59 \newcommand{\cv@do@title}{\par\bigskip
60   \begin{center} \cv@tit@fnt\cv@tit\end{center}}
61 \renewcommand{\maketitle}{%
62   \if@cv@title@above\cv@do@title\fi
63   \par\noindent%
64   \begin{tabular*}{\textwidth}{@{}l@{\extracolsep{\fill}}l@{}}
65   \expandafter\cv@header\cv@lh@lr\cv@lh%

```

```

66         &\expandafter\cv@header\cv@rh@lr\cv@rh
67     \end{tabular*}
68     \par
69     \ifcv@title@above\else\cv@do@title\fi
70     \bigskip\par}

\section Redefine \section to use \cv@sec@fnt
71 \renewcommand{\section}{
72   \@startsection{section}{1}{\z@}
73     {-3.5ex \@plus -1ex \@minus -.2ex}
74     {2.3ex \@plus .2ex}{\cv@sec@fnt}}

\subsection Now the subsection
75 \renewcommand{\subsection}{
76   \@startsection{subsection}{1}{3em}
77     {-3.5ex \@plus -1ex \@minus -.2ex}
78     {2.3ex \@plus .2ex}{\cv@ssec@fnt}}

the other ones do not exist.
79 \let\subsubsection=\relax
80 \let\paragraph=\relax \let\subparagraph=\relax
we do not want any numbering
81 \setcounter{secnumdepth}{0}

\topicmargin The left margin for topics
82 \newcommand{\topicmargin}{0.20\columnwidth}
83 \newlength{\t@picmargin}

topic Define the topic environment.
      First the macros that typeset the label.
84 \newcommand{\@topic@makelabel}[1]{\cv@tlab@fnt #1\hfill}
85 \let\@topic@old@item=\@item
86 \newlength{\@topic@label@length}
87 \def\@topic@item[#1]{%
88     \@topic@old@item[#1]%
89     \ifcv@topic@break%
90         \settowidth{\@topic@label@length}{#1}%
91         \ifdim\@topic@label@length>\labelwidth\mbox{}\fi%
92     \fi%
93     \ifcv@topic@title%
94         \mbox{}\cv@ttit@fnt%
95         \everypar\expandafter{\the\everypar \normalfont}%
96     \fi%
97 }
98 \newcommand{\@topic@setup}{%
99     \setlength{\t@picmargin}{\topicmargin}
100    \if@rl%
101        \setlength{\leftmargin}{0cm}%

```

```

102     \setlength{\rightmargin}{\t@picmargin}%
103     \else%
104     \setlength{\leftmargin}{\t@picmargin}%
105     \setlength{\rightmargin}{0cm}%
106     \fi%
107     \setlength{\labelwidth}{0.8\t@picmargin}%
108     \let\makelabel=\@topic@makelabel%
109 }
110 \newenvironment{topic}
111     {\list{}}
112     {\@topic@setup%
113     \let\@item=\@topic@item}}
114     {\endlist}

```

`thebibliography` Redefine the `thebibliography` environment to look like the `topic` environment. The argument of `thebibliography` is ignored. In older versions, the environment produced its own `\section` command, but this was removed in version 1.3 (following an idea of Reuben Thomas).

```

115 \renewenvironment{thebibliography}[1]
116 {\list{\@biblabel{\theenumiv}}{%
117     \@topic@setup%
118     \@openbib@code%
119     \usecounter{enumiv}%
120     \let\p@enumiv\@empty%
121     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
122     \if@cv@cont@bib@num%
123     \setcounter{enumiv}{\value{cv@save@bib@num}}}%
124     \fi%
125     \sloppy \clubpenalty 4000 \widowpenalty 4000 \sfcode'\.=\@m}%
126     {\endlist%
127     \if@cv@cont@bib@num%
128     \setcounter{cv@save@bib@num}{\value{enumiv}}}%
129     \fi}
130 </class>

```

Change History

1.0	1	1.2	
General: First public release	1	General: Changed the justification of items labels (with help from Amir Karger)	1
1.1		Changed the semantics of <code>\topicfont</code> and <code>\itemfont</code> . . .	1
General: Better documentation, in order to release it for LyX	1	<code>\righthead</code> : remove optional <i>width</i> argument (with help from Amir Karger)	4
disable all sectioning commands other than <code>\section</code>	5	<code>\title</code> : new command	4
disabled numbering of sections	5		
<code>thebibliography</code> : added <code>\refname</code>	6		

	<code>\titlefont</code> : added, together with	<code>\topicmargin</code> : now a macro that
	<code>\headerfont</code> 3	defaults to 20% of text width . . 5
1.3	General: Added class options <code>sf</code> and	1.6
	<code>plain</code> 1	General: Convert to use <code>docstrip</code> . . 1
	<code>thebibliography</code> : does not add a	New option <code>topictitle</code> and associ-
	section by itself anymore; re-	ated <code>\topcilabelfont</code> 1
	move <code>\refname</code> 6	Renamed class to <code>simplecv</code> 1
	<code>\subsection</code> : added (with as-	<code>\righthead</code> : Added optional ar-
	sociated font command	gument for horizontal align-
	<code>\subsectionfont</code>) 5	ment 4
1.4	General: Added <code>notopicbreak</code> class	<code>\topiclabelfont</code> : renamed from
	option 1	<code>\itemfont</code> ; the old name is kept
1.5	General: Added <code>contbibnum</code> class	as an alias for compatibility . . . 3
	option 1	<code>\topicmargin</code> : Change default
	Added hebrew support (from	value to <code>0.2\columnwidth</code> , to
	Dekel Tsur) 1	improve layout in two-columns
	Added <code>titleabove</code> class option . . 1	mode 5
	Some variables renaming and	1.6a
	cleanups 1	General: Fix incompatibility with
		<code>array</code> package 1
		<code>\maketitle</code> : Fix incompatibility
		with <code>array</code> package 4

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Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

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