

textcsc:
A package for caps-to-small-caps text

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Version 1.0.0

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1 Overview

It is a longstanding typographic practice to typeset lengthy abbreviations as small-capitals to avoid unsightly groups of capital letters. Using the standard L^AT_EX commands for small capitals (`\textsc` and `\scshape`) this requires the input letters to be typed in lowercase. For example, to produce FBI, one types `\textsc{fbi}`. This use of lowercase creates problems. Users of screenreaders or other accessibility software, as well as people who copy-paste the text from your PDF to quote you, will only encounter the lowercase. If the document has been converted to another format, like an e-book or webpage, the small caps formatting may not convert with it. Even if the format carries when convert by Pandoc or other programme to HTML, web users who block remote fonts or disable scripts may see, as a fallback, unsightly or confusing lower-case letters jammed together.

Thus, for users of LuaL^AT_EX or XeL^AT_EX, this package provides two very simple commands that produce caps-to-small-caps text, taking advantage of existing OpenType features. These two commands neatly help solve the problem of ensuring that all capitals can be used to avoid confusion with other formats or usages, without compromising the traditional typographic practice.

2 Usage

In your preamble put:

```
\usepackage{textcsc}
```

To use a switch analagous to `\scshape` simply use `\cscshape`.

```
The \cscshape CIA\normalfont and the \cscshape FBI
```

Produces:

The CIA and the FBI

To use a macro analagous to `\textsc` simply use `\textcsc`:

The `\textcsc{CIA}` and the `\textcsc{FBI}`

Produces:

The CIA and the FBI

3 Development

Bugs, feature requests, *etc*, should be submitted to the project's official GitHub page: (github.com/ezgranet/textcsc).

4 Licence

This project is licensed under the Latex Public Project Licence version 1.3c. This documentation is copyright of the author but licensed under CC-BY-SA 3.0.

5 Implementation

```
4 \def\textcscversionnumber{1.0.0}
5 \ProvidesPackage{textcsc}
6 [2022/09/10\textcscversionnumber\
7   Command for caps-to-small-caps-text]
8 % This work may be distributed and/or modified under the
9 % conditions of the LaTeX Project Public License, either version 1.3
10 % of this license or (at your option) any later version.
11 % The latest version of this license is in
12 %   http://www.latex-project.org/lppl.txt
13 % and version 1.3 or later is part of all distributions of LaTeX
14 % version 2005/12/01 or later.
15 %
16 % This work has the LPPL maintenance status `maintained'.
17 %
18 % The Current Maintainer of this work is Elijah Z Granet
19 %%%%%%%%%%%
20 %%%%%%%%%%%
21 %%%%%%%%%%%
22 %%%%%%%%%%%
23 % %%%%%%%%%%%
24 %%%%%%%%%%%
25 % Warning that you need
26 % fontspec
27 %%%%%%%%%%%
28 %%%%%%%%%%%
29 \RequirePackage{iftex}
30 \ifPDFTeX {
31   \PackageError{swungdash}
32     {You are using pdfTeX but this package only works
33     \MessageBreak with XeTeX or LuaTeX}{}
34 }
35 \fi
36 %%%%%%%%%%%
37 %%%%%%%%%%%
```

```

38 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
39 % Dependencies
40 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
41 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
42 \RequirePackage{fontspec}
43 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
44 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
45 % the switch
46 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
47 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
48 \newcommand{\cscshape}{\addfontfeature{RawFeature={+c2sc,+smcp}}}%
49 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
50 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
51 % the macro
52 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
53 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
54 \newcommand{\textcsc}[1]{\{\cscshape%
55 #1%
56 \}}
57
58 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
59 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
60 % all done
61 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
62 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

```

6 Version History

6.6.1 1.0.0

22 September 2022: Package creation