

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

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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 \LaTeX 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 `Lua \LaTeX` or `X \LaTeX` , 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

If you want to convert only capitals to small capitals (for example, because your style guide, like that of *The Economist* prescribes mixed small-caps and lowercase abbreviations), then you can use the macro `\csconly{#1}` or the switch `\csconlyshape` For example, the commands:

She earned first an `\csconly{MSc}` and then a `\csconlyshape` PhD

Produce:

She earned first an msc and then a PhD

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 L^AT_EXPublic Project Licence version 1.3c. This documentation is copyright of the author but licensed under CC-BY-SA 3.0.

5 Implementation

```
5
6 \def\textcscversionnumber{1.2}
7 \ProvidesPackage{textcsc}
8 [2023/05/10\textcscversionnumber\
9   Command for caps-to-small-caps-text]
10 % This work may be distributed and/or modified under the
11 % conditions of the LaTeX Project Public License, either version 1.3c
12 % of this license or (at your option) any later version.
13 % The latest version of this license is in
14 %   http://www.latex-project.org/lppl.txt
15 % and version 1.3c or later is part of all distributions of LaTeX
16 % version 2005/12/01 or later.
17 %
18 % This work has the LPPL maintenance status `maintained'.
19 %
20 % The Current Maintainer of this work is Elijah Z Granet
21 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
22 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
23 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
24 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
25 % %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
26 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
27 % Warning that you need
28 % fontspec
29 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
30 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
31 \RequirePackage{iftex}
32 \ifPDFTeX {
33   \PackageError{textcsc}
34   {You are using pdfTeX but this package only works
35   \MessageBreak with XeTeX or LuaTeX}{}
36 }
37 \fi
38 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

```

39 %%%%%%%%%%
40 %%%%%%%%%%
41 % Dependencies
42 %%%%%%%%%%
43 %%%%%%%%%%
44 \RequirePackage{fontspec}
45 %%%%%%%%%%
46 %%%%%%%%%%
47 % the switch
48 %%%%%%%%%%
49 %%%%%%%%%%
50 \newcommand{\cscshape}{\scshape\addfontfeature{RawFeature={+c2sc}}}
51 %%%%%%%%%%
52 %%%%%%%%%%
53 % the macro
54 %%%%%%%%%%
55 %%%%%%%%%%
56 \newcommand{\textcsc}[1]{\{\cscshape%
57 #1%
58 \}}
59 \newcommand{\csconlyshape}{\addfontfeature{RawFeature={+c2sc}}}
60 \newcommand{\csconly}[1]{\{\csconlyshape%
61 #1%
62 \}}
63 %%%%%%%%%%
64 %%%%%%%%%%
65 % all done
66 %%%%%%%%%%
67 %%%%%%%%%%

```

6 Version History

6.6.1 1.2.0

24 April 2023: added option for only caps to small caps text.

6.6.2 1.1.0

24 April 2023: Update to fix issue with LetterSpace property not carrying over.

6.6.3 1.0.0

22 September 2022: Package creation