

HUMBOLDT-UNIVERSITÄT ZU BERLIN



# L<sup>A</sup>T<sub>E</sub>X for Linguists

## L<sup>A</sup>T<sub>E</sub>X 5: IPA & verbatim

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[www.linguistik.hu-berlin.de/staff/amp](http://www.linguistik.hu-berlin.de/staff/amp)

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You can copy the Unicode characters for transcriptions from here:

<http://westonruter.github.io/ipa-chart/keyboard/>

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The package `tipa` offers commands for transcriptions with IPA, but it is not compatible with all other packages.

```
\usepackage{tipa}
```

tipa provides 3 ways to use IPA characters:

## macros:

```
[\textglotstop{}an.\textesh{}\textinvscr{}\texttoptiebar{a\textsci{}}.\textschwa{}n]
```

```
[\textsecstress\textepsilon kspl\textschwa \textprimstress ne\textsci\textesh\textschwa n]
```

(2) [ʔan.ɸ̩aɪ.ən]

(3) [ɛksplə'neɪʃən]

## groups of macros:

```
\textipa{[Pan.SK\t{aI}.\@n]}
\textipa{["Ekspɪ@"neɪʃən]}
```

(4) [ʔan.ɸ̩aɪ.ən]

(5) [ɛksplə'neɪʃən]

## tipa environment:

```
\begin{IPA}
  [Pan.SK\t{aI}.\@n]

  ["Ekspɪ@"neɪʃən]
\end{IPA}
```

(6) [ʔan.ɸ̩aɪ.ən]

(7) [ɛksplə'neɪʃən]

1 Transcriptions with IPA

2 Verbatim



# Verbatim

If you want to **write code**, L<sup>A</sup>T<sub>E</sub>X provides the `verb` **command** and the `verbatim` **environment**.

```
\verb|\textbf{test}|
```

```
\textbf{test}
```

```
\begin{verbatim}
```

```
\textbf{test}
```

```
\end{verbatim}
```

```
\textbf{test}
```

With the package `listings`, **more options** for `verbatim` can be specified:

```
\usepackage{listings}

\lstset{
  language=TeX,
  backgroundcolor=\color{lightgray},
  basicstyle={\footnotesize\ttfamily\color{blue}},
  showstringspaces=false,
  columns=flexible
}
```

This package offers an **in-line version** with the `\lstinline` **command** and the `lstlisting` **environment**.

For the in-line version, use **characters as delimiters** for your command `\lstinline` that are not used in your code.

# Exercise

Go to  
<https://github.com/langsci/latex4linguists/blob/master/3-1.md>  
and follow the instructions of **all blocks** in your .tex file.

# Internet sources I

- Link: CTAN – The Comprehensive T<sub>E</sub>X Archive Network .  
<http://www.ctan.org/>  
[Access: 02/01/2019]
- Link: The International Phonetic Alphabet (revised to 2005)  
<http://westonruter.github.io/ipa-chart/keyboard/>  
[Access: 15/01/2019]
- Link: Type IPA phonetic symbols.  
<http://ipa.typeit.org/full/>  
[Access: 02/01/2019]

# Literature I

- Freitag, Constantin & Antonio Machicao y Priemer. 2015. LaTeX-Einführung für Linguisten. Manuscript. <https://www.linguistik.hu-berlin.de/de/staff/amp/latex-einfuehrung>.
- Knuth, Donald E. 1986. *The TeX book*. Boston: Addison-Wesley.
- Kopka, Helmut. 1994. *LaTeX: Einführung*, vol. 1. Bonn: Addison-Wesley.
- Linke, Rona & Alex Linke. 2005. LaTeX für Linguisten: IPA, Glossing und Baumstrukturen. Manuscript. <http://homepage.ruhr-uni-bochum.de/alexander.linke-2/linguistik/LaTeX/>.
- Rei, Fukui. 2004. Tipa manual – version 1.3. *CTAN: Comprehensive TeX Archive Network* <http://www.ctan.org/tex-archive/fonts/tipa/tipa>.