

Example 4: Fonts

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1 **L^AT_EX** resources (`\textsf{}`) on the internet (`\textrm{}`)

The best place for downloaded LaTeX related software is CTAN. Its address is `http://www.ctan.org` (`\texttt{}`)

There are commands which require arguments, and then there are declarations which don't need arguments but affect any text that comes after.

If you don't want to specify where in the text you wish to change the font, declarations are needed

- Roman font (`\rmfamily`)
- Sans-serif font (`\sffamily`)
- Typewriter font (`\ttfamily`)

If you do want to specify where in the text, arguments are needed.

- Roman font (`\textrm{}`)
- Sans-serif font (`\textsf{}`)
- Typewriter font (`\texttt{}`)

To experiment the three pre-defined family fonts declarations.

1.1 The Roman font (default font with `\rmfamily`)

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

1.2 The typewriter font (`\ttfamily`)

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

1.3 The Sans-serif font (`\sffamily`)

Notice that the subsection is not in sans-serif because (`\sffamily`) is out of scope (outside the subsection command)

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

These are some the commands and declarations that can be in Latex.

Command	Declaration	Meaning
<code>\textrm{...}</code>	<code>\rmfamily</code>	roman family
<code>\textsf{...}</code>	<code>\sffamily</code>	sans-serif family
<code>\texttt{...}</code>	<code>\ttfamily</code>	typewriter family
<code>\textbf{...}</code>	<code>\bfseries</code>	bold-face
<code>\textmd{...}</code>	<code>\mdseries</code>	medium
<code>\textit{...}</code>	<code>\itshape</code>	<i>italic shape</i>
<code>\textsl{...}</code>	<code>\slshape</code>	<i>slanted shape</i>
<code>\textsc{...}</code>	<code>\scshape</code>	SMALL CAPS SHAPE
<code>\textup{...}</code>	<code>\upshape</code>	upright shape
<code>\textnormal{...}</code>	<code>\normalfont</code>	default font

But say, you want to use declarations but only for a long paragraph and not for the entire document. You use `{}` to basically help declarations identify the scope of the text that follows it. For example,

In \LaTeX : `{\sffamily Whatever is inside the curly braces are in sans-serif}`

Output: Whatever is inside the curly braces are in sans-serif

```
{\em It can {\em also} be nested like this} Now I am out of the
\emscope
It can also be nested like this Now I am out of the \em scope
```