

Setting Font, Language and Typography

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Selecting the language

Accented letters and font encoding

For languages like French, for which accented letters are widely used, the \LaTeX user must be cautious:

- if **compiling with *latex* or *pdflatex***,
 - the `inputenc` package must be used to be able to typewrite directly accented letters from the keyboard,
 - with `inputenc` `é` and `à` are correct,
 - without the package the user must write `\'{e}` and `\{a}`,
 - the encoding must be provided as an optional argument (`utf8` is encouraged),
 - the `fontenc` package to enable the correct hyphenation rules depending on font encoding
 - the font type must be provided as an optional argument,
 - T1 is recommended for both English and French,
- if compiling with *xelatex* or *lualatex*,

Accented letters and font encoding

For languages like French, for which accented letters are widely used, the \LaTeX user must be cautious:

- if compiling with *latex* or *pdflatex*,
- if **compiling with *xelatex* or *lualatex***,
 - the `fontspec` package must be used to enable the rich font management,
 - accented letters can be directly typewritten,
 - the font can be selected without using another package.

For clarity and readability, original or artistic fonts should be avoided. A common font was *Computer Modern*, modernised by the *Latin Modern* font. However, both have been extensively used, so that some people consider them boring.

Depending on the compiler:

- for *latex* and *pdflatex* compilation,
 - selection is made by calling the corresponding package,
 - *Latin Modern* is loaded by the `lmodern` package,
- for *xelatex* and *lualatex* compilation,
 - selection is performed through the `fontspec` package,
 - advanced options regarding the ligatures can be passed to the package.

Summary of the packages which must be loaded, observing the following order:

- for *latex* and *pdflatex* compilation,
 - 1 lmodern (or any other package relative to font selection),
 - 2 inputenc,
 - 3 fontenc,
- for *xelatex* and *lualatex* compilation,
 - 1 fontspec.