

# Package ‘extrafont’

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**Title** Tools for Using Fonts

**Version** 0.18

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**Description** Tools to using fonts other than the standard PostScript fonts.

This package makes it easy to use system TrueType fonts and with PDF or PostScript output files, and with bitmap output files in Windows. extrafont can also be used with fonts packaged specifically to be used with, such as the fontcm package, which has Computer Modern PostScript fonts with math symbols.

**Depends** R (>= 2.15)

**Imports** extrafontdb, grDevices, utils, Rttf2pt1

**Suggests** fontcm

**License** GPL-2

**URL** <https://github.com/wch/extrafont>

**RoxygenNote** 7.1.2

**NeedsCompilation** no

**Repository** CRAN

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choose_font	<i>Choose an installed font from a list</i>
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**Description**

For a sequence of font family names, return the first one installed on the system. This makes it easy for code to specify a preferred font-family, but fall back to other font families if that is not installed on the system. This function acts much like the CSS font-family property.

**Usage**

```
choose_font(fonts, quiet = TRUE)
```

**Arguments**

fonts	character	List of font family names to try.
quiet	logical	Do not print warning if the preferred font not found.

**Value**

character. First font in fonts that is installed on the system or "" if none of those are installed.

**Examples**

```
choose_font(c("GillSans", "Verdana", "sans"), quiet = TRUE)
choose_font(c("BemeboStd", "Garamond", "serif"), quiet = TRUE)
```

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embed_fonts	<i>Embeds fonts that are listed in the local Fontmap</i>
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**Description**

Embeds fonts that are listed in the local Fontmap

**Usage**

```
embed_fonts(file, format, outfile = file, options = "")
```

**Arguments**

file	Name of input file.
format	File format. (see ?embedFonts)
outfile	Name of the output file (with fonts embedded). (Default is same as input file)
options	Other arguments passed to embedFonts.

**See Also**[loadfonts](#)**Examples**

```
## Not run:
loadfonts()
pdf('fonttest.pdf')
library(ggplot2)

p <- ggplot(mtcars, aes(x=wt, y=mpg)) + geom_point()

# Run only the code below that is appropriate for your system
# On Mac and Windows, Impact should be available
p + opts(axis.title.x=theme_text(size=16, family="Impact", colour="red"))

# On Linux, Purisa may be available
p + opts(axis.title.x=theme_text(size=16, family="Purisa", colour="red"))
dev.off()

embed_fonts('fonttest.pdf', outfile='fonttest-embed.pdf')

## End(Not run)
```

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**extrafont***extrafont package*

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**Description**

This package is used for using and embedding fonts other than the basic Postscript fonts.

**Details**

For use instructions, see <https://github.com/wch/extrafont>.

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**fonts***Show the fonts that are registered in the font table (and available for embedding)*

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**Description**

Show the fonts that are registered in the font table (and available for embedding)

**Usage**

```
fonts()
```

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fonttable	<i>Returns the full font table</i>
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**Description**

Returns the full font table

**Usage**

```
fonttable()
```

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font_addpackage	<i>Add font from an installed package to fonts database</i>
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**Description**

This is usually not called directly, but via [font\\_install](#).

**Usage**

```
font_addpackage(pkg = NULL)
```

**Arguments**

pkg                   The name of the font package, e.g., "fontcm".

**See Also**

[font\\_install](#)

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font_import	<i>Import system fonts</i>
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**Description**

Presently only supports TrueType fonts.

**Usage**

```
font_import(paths = NULL, recursive = TRUE, prompt = TRUE, pattern = NULL)
```

**Arguments**

paths	A vector of directories to search in. (Default is to auto-detect based on OS)
recursive	Search recursively in directories? (Default TRUE)
prompt	Show confirmation prompt? (Default TRUE)
pattern	A regular expression that the filenames must match.

**Examples**

```
font_import()
```

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font_install	<i>Install a font package and register it in the fonts database</i>
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**Description**

If the font package specified by fontpkg is not already installed, it will be downloaded from CRAN. The font package will then be registered in the fonts database.

**Usage**

```
font_install(fontpkg = NULL, prompt = TRUE)
```

**Arguments**

fontpkg	The name of an R package containing a font, e.g., "fontcm".
prompt	Ask user to install font from CRAN if not already installed

**Examples**

```
## Not run:  
font_install('fontcm')  
  
## End(Not run)
```

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loadfonts	<i>Reads the fonttable database and registers those fonts with R</i>
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**Description**

This registers fonts so that they can be used with the pdf, postscript, or Windows bitmap output device. It must be run once in each R session.

**Usage**

```
loadfonts(device = c("all", "pdf", "postscript", "win"), quiet = FALSE)
```

**Arguments**

device	The output device. If "all", then it will load "pdf", "postscript", and "win" (if on Windows).
quiet	If FALSE, print a status message as each font is registered. If TRUE, don't print.

**Value**

A named list with up to three elements, one for each device for which fonts were loaded. Each device element is a named list, with an element for each family that was the function attempted to register with that device. The value is NULL if the function did not register the font family due to problems or because the font family was already registered. If value is the return value of windowsFonts for "win", [postscriptFonts](#) for "postscript", and [pdfFonts](#) for "pdf".

**See Also**

[embed\\_fonts](#), `#ifdef windows windowsFont`, [windowsFonts](#), `#endif` [postscriptFonts](#), [pdfFonts](#), [Type1Font](#).

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ttf_import	<i>Imports all TrueType fonts in a directory and all subdirectories</i>
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**Description**

Imports all TrueType fonts in a directory and all subdirectories

**Usage**

```
ttf_import(paths = NULL, recursive = TRUE, pattern = NULL)
```

**Arguments**

paths	A vector of directories to search in. (Default is to auto-detect based on OS)
recursive	Search recursively in directories? (Default TRUE)
pattern	A regular expression that the filenames must match.

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