Package 'extrafont'

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Title Tools for Using Fonts

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Author Winston Chang <winston@stdout.org>

Maintainer Winston Chang <winston@stdout.org>

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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R topics documented:

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choose_font   *Choose an installed font from a list*

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   *Embeds fonts that are listed in the local Fontmap*

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*

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)*

Description

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

Usage

```
fonts()
```

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fonttable	*Returns the full font table*

Description

Returns the full font table

Usage

```
fonttable()
```

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font_addpackage	*Add font from an installed package to fonts database*

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	*Import system fonts*

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()
```

`font_install`	*Install a font package and register it in the fonts database*

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 *Reads the fonttable database and registers those fonts with R*

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 *Imports all TrueType fonts in a directory and all subdirectories*

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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