

Package ‘showtextdb’

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Type Package

Title Font Files for the 'showtext' Package

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Description Providing font files that can be used by the 'showtext' package.

Imports sysfonts (>= 0.7), utils

Suggests curl

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font_install

*Install Fonts to the 'showtextdb' Package***Description**

font_install() saves the specified font to the 'fonts' directory of the **showtextdb** package, so that it can be used by the **showtext** package. This function requires the **curl** package.

font_installed() lists fonts that have been installed to **showtextdb**.

NOTE: Since the fonts are installed locally to the package directory, they will be removed every time the **showtextdb** package is upgraded or re-installed.

Usage

```
font_install(font_desc, quiet = FALSE, ...)
```

```
font_installed()
```

Arguments

font_desc	A list that provides necessary information of the font for installation. See the Details section.
quiet	Whether to show the progress of downloading and installation.
...	Other parameters passed to <code>curl::curl_download()</code> .

Details

font_desc is a list that should contain at least the following components:

showtext_name The family name of the font that will be used in **showtext**.

font_ext Extension name of the font files, e.g., ttf for TrueType, and otf for OpenType.

regular_url URL of the font file for "regular" font face.

Optionally, font_desc can also contain bold_url, italic_url, bolditalic_url, and symbol_url that provide the URLs of the other font faces.

See [source_han_sans\(\)](#) and [source_han_serif\(\)](#) for an example of the font_desc parameter.

Author(s)

Yixuan Qiu <<https://statr.me/>>

Examples

```
## Not run:
## Install Source Han Serif Simplified Chinese
font_install(source_han_serif())

## List available font families
sysfonts::font_families()

## Use the font with the "showtext" package
if(require(showtext)) {
  wd = setwd(tempdir())
  showtext.auto()

  pdf("source-han-serif.pdf")
  par(family = "source-han-serif-cn")
  plot.new()
  box()
  text(0.5, 0.9, "\u601d\u6e90\u5b8b\u4f53", cex = 3, font = 2)
  text(0.5, 0.4, "\u843d\u5176\u5b9e\u8005\u601d\u5176\u6811", cex = 3)
  text(0.5, 0.2, "\u996e\u5176\u6d41\u8005\u6000\u5176\u6e90", cex = 3)
  dev.off()
  setwd(wd)
}

## End(Not run)
```

google_fonts

*Meta-information for the Google Fonts***Description**

This function provides information of Google Fonts that can be used in the `font_install()` function. It will try to include all font faces available for a specified family name.

Usage

```
google_fonts(name, ...)
```

Arguments

name	Name of the font that will be searched in Google Fonts.
...	Other parameters passed to <code>curl::curl_fetch_memory()</code> .

Author(s)

Yixuan Qiu <<https://statr.me/>>

Examples

```
opensans = google_fonts("Open Sans")
print(opensans)

## Not run:
## Install the Open Sans font to the showtextdb package
font_install(opensans)

## End(Not run)
```

load_showtext_fonts	<i>Load Fonts for the 'showtext' Package</i>
---------------------	--

Description

This function loads fonts that will be used by the **showtext** package.

Usage

```
load_showtext_fonts()
```

Author(s)

Yixuan Qiu <<https://statr.me/>>

Examples

```
## Not run:
sysfonts::font_families()

load_showtext_fonts()
sysfonts::font_families()

## End(Not run)
```

source_han	<i>Meta-information for the Source Han Sans/Serif Fonts</i>
------------	---

Description

These functions provide information of the Source Han Sans/Serif fonts that can be used in the [font_install\(\)](#) function. Source Han Sans/Serif fonts provide complete support for the CJK (Chinese, Japanese, and Korean) characters.

Usage

```
source_han_sans(lang = c("CN", "TW", "JP", "KR"))
```

```
source_han_serif(lang = c("CN", "TW", "JP", "KR"))
```

Arguments

lang	Language of the font. "CN" for simplified Chinese, "TW" for traditional Chinese, "JP" for Japanese, and "KR" for Korean.
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Author(s)

Yixuan Qiu <<https://statr.me/>>

Examples

```
## Not run:  
## Install Source Han Sans font (by default Simplified Chinese)  
## to the showtexdb package  
font_install(source_han_sans())  
  
## Source Han Serif Japanese  
font_install(source_han_serif("JP"))  
  
## End(Not run)
```

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