

# 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

**License** Apache License (>= 2.0)

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**RoxygenNote** 7.1.0

**NeedsCompilation** no

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`font_install`*Install Fonts to the 'showtextdb' Package*

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### 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

<code>font_desc</code>	A list that provides necessary information of the font for installation. See the <b>Details</b> section.
<code>quiet</code>	Whether to show the progress of downloading and installation.
<code>...</code>	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)
```

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google\_fonts

*Meta-information for the Google Fonts*

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## 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     *Load Fonts for the 'showtext' Package*

---

## 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     *Meta-information for the Source Han Sans/Serif Fonts*

---

## 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.

**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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