Package 'fontquiver'

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Title Set of Installed Fonts

Version 0.2.1

Description Provides a set of fonts with permissive licences. This is
useful when you want to avoid system fonts to make sure your
outputs are reproducible.

Depends R (>= 3.0.0)

Imports fontBitstreamVera (>= 0.1.0), fontLiberation (>= 0.1.0)

Suggests testthat, htmltools

License GPL-3 | file LICENSE

Encoding UTF-8

LazyData true

RoxygenNote 5.0.1

Collate 'font-getters.R' 'fontset.R' 'fontset-bitstream-vera.R'
'fontset-dejavu.R' 'fontset-liberation.R' 'fontset-symbola.R'
'html-dependency.R' 'utils.R'

NeedsCompilation no

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Repository CRAN

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fonts   *Get elements of a fontset*

Description

fonts() returns the list of all `font` objects for a given fontset (a collection of fonts provided by
fontquiver, such as `Liberation` or `Bitstream Vera`). font() returns one specific font. font_symbol()
extracts the font marked as symbol font, if it exists in the fontset.

Usage

```
fonts(fontset)

font(fontset, variant, style)

font_symbol(fontset = "Symbola")
```

Arguments

fontset	A string giving the name of a set of fonts (e.g. `"Liberation"` or`"Bitstream Vera"`). Use `fontset_list()` to obtain the list of fontsets registered in your session.
variant	Font variant, as per Fontconfig's nomenclature. Use `fontset_variants()` to find out which variants are available for a fontset.
style	Font style, as per Fontconfig's nomenclature. Use `fontset_styles()` to find out which variants are available for a fontset.

Examples

```
font("Bitstream Vera", "Sans", "Roman")

f <- fonts("Liberation")
str(f, 1)

font_symbol("Symbola")
```

`fontset_info`   *Fontset metadata*

Description

This returns a data frame containing metadata about fonts. The columns "variant" and "style" correspond to the properties of the font as reported by fontconfig. The columns "family", "italic" and "bold" provide information in terms of R nomenclature of fonts. The column "base" gives the base filename of the font. See `fontset_list()` to obtain a list of available fontsets.

Usage

```
fontset_info(fontset)
```

Arguments

fontset   A string giving the name of a set of fonts (e.g. ″Liberation″ or″Bitstream Vera″). Use `fontset_list()` to obtain the list of fontsets registered in your session.

See Also

`fontset_list()`, `font_families()`, `font_variants()`

`fontset_list`   *Get list of all registered fonts*

Description

Get list of all registered fonts

Usage

```
fontset_list()
```

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fontset_register   *Register a font to fontquiver*

Description

Register a font to fontquiver

Usage

```
fontset_register(fontset, getter, files)
```

Arguments

fontset	Name of the font set.
getter	Constructor of `font` objects.
files	Data structure containing font information.

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fontset_variants   *Fontset variants and styles*

Description

These functions return the variants and the styles available for a given fontset.

Usage

```
fontset_variants(fontset)

fontset_styles(fontset, variant)
```

Arguments

fontset	A string giving the name of a set of fonts (e.g. `"Liberation"` or `"Bitstream Vera"`). Use [fontset_list](#)() to obtain the list of fontsets registered in your session.
variant	Font variant, as per Fontconfig's nomenclature. Use [fontset_variants](#)() to find out which variants are available for a fontset.

Examples

```
fontset_variants("Liberation")
fontset_styles("Bitstream Vera", "Sans Mono")
```

---

font_families   *Font families and faces*

Description

Returns families or faces as font files for a given font set. The files are organised by R nomenclature of families (″sans″, ″serif″, ″mono″, and ″symbol″) and faces (″plain″, ″italic″, ″bold″, and ″bolditalic″). When a font does not have a combination, NA is reported.

Usage

```
font_families(fontset)

font_faces(fontset, family = c("sans", "serif", "mono", "symbol"))
```

Arguments

fontset   A string giving the name of a set of fonts (e.g. ″Liberation″ or″Bitstream Vera″). Use fontset_list() to obtain the list of fontsets registered in your session.

family   One of ″sans″, ″serif″, ″mono″ or ″symbol″.

Details

Note that the fonts returned by font_faces() and font_families() are constrained by R's nomenclature of fonts and are thus a subset of those returned by font_variants() and font_styles().

See Also

font_variants(), fonts()

Examples

```
font_families("Bitstream Vera")$mono$bold
font_faces("Bitstream Vera", "mono")
```

---

font_variants   *Font variants*

Description

font_variants() returns a tree of fonts organised as per fontconfig's nomenclature. The first level contains variants of a font and the second level contains font styles.

Usage

```
font_variants(fontset)

font_styles(fontset, variant)
```

Arguments

fontset	A string giving the name of a set of fonts (e.g. "Liberation" or"Bitstream Vera"). Use fontset_list() to obtain the list of fontsets registered in your session.
variant	Font variant, as per Fontconfig's nomenclature. Use fontset_variants() to find out which variants are available for a fontset.

Details

See also font_families() and font_faces() for similar collections organised according to R nomenclature of fonts. Note that variants and styles are a super set of R families and faces and may contain more fonts.

See Also

font_families(), fonts()

Examples

```
font_variants("Bitstream Vera")
font_variants("Bitstream Vera")$Sans$Oblique
font_styles("Bitstream Vera", "Sans")
```

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htmlFontDependency *Include font as CSS dependency*

Description

Include font as CSS dependency

Usage

```
htmlFontDependency(...)
```

Arguments

...	Fonts or collections of fonts. See font_families() and font_variants() for creating collections of fonts. You can also supply lists of individual fonts as returned by fonts().

Examples

```
# Create an htmlDependency object:
dep <- htmlFontDependency(font_families("Bitstream Vera"))

# Use the fonts in your dependent css or html files. For example:
# body {
#  font-family: 'Bitstream Vera Sans Mono', courier;
# }
```

---

splice_fonts   *Splice fonts and font collections*

Description

splice_fonts() Reduces its arguments to a flat list. It accepts indistinctly font objects, lists of font objects (obtained with fonts()), or collections of fonts produced by font_variants() or font_families(). Duplicate fonts are removed from the result.

Usage

```
splice_fonts(...)
```

Arguments

...	Fonts or collections of fonts. See font_families() and font_variants() for creating collections of fonts. You can also supply lists of individual fonts as returned by fonts().

Examples

```
splice_fonts(font("Bitstream Vera", "Sans", "Oblique"), font_faces("Bitstream Vera", "mono"))
```

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