Package ‘qrencoder’

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Title Quick Response Code (QR Code) / Matrix Barcode Creator
Version 0.1.0
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Description Quick Response codes (QR codes) are a type of matrix bar code and can be used to authenticate transactions, provide access to multi-factor authentication services and enable general data transfer in an image. QR codes use four standardized encoding modes (numeric, alphanumeric, byte/binary, and kanji) to efficiently store data. Matrix barcode generation is performed efficiently in C via the included 'libqrencoder' library created by Kentaro Fukuchi.
Depends R (>= 3.1.0), raster
License GPL-2
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qrencode

Return a QR encoded string as a matrix

Description

Useful if you want to do your own post-processing

Usage

qrencode(to_encode)

Arguments

to_encode  the data to encode

Examples

qrencode("http://rud.is/b")

qrencoder

Quick Response Code (QR Code) / Matrix Barcode Creator

Description

Quick Response codes (QR codes) are a type of matrix bar code and can be used to authenticate transactions, provide access to multi-factor authentication services and enable general data transfer in an image. QR codes use four standardized encoding modes (numeric, alphanumeric, byte/binary, and kanji) to efficiently store data. Matrix barcode generation is performed efficiently in C via the included 'libqrencoder' library created by Kentaro Fukuchi.

Author(s)

Bob Rudis (bob@rud.is)
**qrencode_df**

Return a QR encoded string as an x, y, z data.frame

**Description**
Useful for ggplot::geom_raster

**Usage**

```r
qrencode_df(to_encode)
```

**Arguments**

- `to_encode` the data to encode

**Examples**

```r
head(qrencode_df("http://rud.is/b"))
```

**qrencode_png**

Return a QR encoded string as a base 64 encoded inline png

**Description**

Return a QR encoded string as a base 64 encoded inline png

**Usage**

```r
qrencode_png(to_encode)
```

**Arguments**

- `to_encode` the data to encode

**Note**

`data:image/png;base64`, is prepended to the encoded png

**Examples**

```r
cat(qrencode_png("http://rud.is/b"))
```
### qrencode_raster

**Description**

Return a QR encoded string as a raster object

**Usage**

```r
qrencode_raster(to_encode)
```

**Arguments**

- **to_encode**
  the data to encode

**Examples**

```r
library(raster)
old_mar <- par()$mar
par(mar=c(0,0,0,0))
image(qrencode_raster("http://rud.is/b"), asp=1, col=c("white", "black"),
    axes=FALSE, xlab="", ylab="")
par(mar=old_mar)
```

### qrencode_raw

**Description**

Encodes a string as a QR code

**Usage**

```r
qrencode_raw(to_encode, version = 0L, level = 0L, hint = 2L,
    caseinsensitive = 1L)
```

**Arguments**

- **to_encode**
  character string to encode
- **version**
  version of the symbol. If 0, the library chooses the minimum version for the given input data.
- **level**
  error correction level (0 - 3, lowest to highest)
tell the library how Japanese Kanji characters should be encoded. If "3", the library assumes that the given string contains Shift-JIS characters and encodes them in Kanji-mode. If "2" is given, all of non-alphanumerical characters will be encoded as is. If you want to embed UTF-8 string, choose this. Other mode will cause EINV AL error.

"0" is "numeric mode", "1" is "alphanumeric mode", "5" is "ECI mode".

caseinsensitive

case-sensitive(1) or not(0).

See Also

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