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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R topics documented:

qrencode .................................................. 2
qrencoder .................................................. 2
qrencode_df .............................................. 3
qrencode_png ............................................. 3
qrencode_raster .......................................... 4
qrencode_raw ............................................. 4
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
qrencode_df(to_encode)

Arguments
to_encode the data to encode

Examples
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
qrencode_png(to_encode)

Arguments
to_encode the data to encode

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

Examples
cat(qrencode_png("http://rud.is/b"))
qrencode_raster

Return a QR encoded string as a raster object

Description

Return a QR encoded string as a raster object

Usage

qrencode_raster(to_encode)

Arguments

to_encode  the data to encode

Examples

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

Encodes a string as a QR code

Description

Encodes a string as a QR coder

Usage

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)
**hint**

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-alphanumeric 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**

Index

qrencode, 2
qrencode_df, 3
qrencode_png, 3
qrencode_raster, 4
qrencode_raw, 4
qrencoder, 2
qrencoder-package (qrencoder), 2