Package: flashr (via r-universe)

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Type Package

Title Create Flashcards of Terms and Definitions

Version 0.1.2

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Description Provides functions for creating flashcard decks of terms
and definitions. This package creates HTML slides using
'revealjs' that can be viewed in the 'RStudio' viewer or a web
browser. Users can create flashcards from either existing
built-in decks or create their own from CSV files or vectors of
function names.

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URL https://github.com/JeffreyRStevens/flashr,
https://jeffreyrstevens.github.io/flashr/

BugReports https://github.com/JeffreyRStevens/flashr/issues

Depends R (>= 2.10)

Imports cli, curl, gh, httr, memoise, revealjs, rmarkdown, testthat

Suggests covr, knitr, withr

VignetteBuilder knitr

Config/testthat/edition 3

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.1

Repository https://jeffreyrstevens.r-universe.dev

RemoteUrl https://github.com/jeffreyrstevens/flashr

RemoteRef HEAD

RemoteSha 632cb371614ea698d918d7a96e2f6b028e27c58f

Contents

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choose_deck   *Choose from available flashcard decks*

Description

This function prints a list of flashcard decks to the console and let's the user choose one of the decks. By default, the function searches the flashr_decks repo. But other GitHub repos can be used.

To narrow the results, include text in the `pattern` argument (for example, `choose_deck(pattern = "r4ds")`).

Usage

```
choose_deck(
  pattern = NULL,
  choice = NULL,
  repo = "JeffreyRStevens/flashr_decks"
)
```

Arguments

pattern	String pattern to search in list of decks.
choice	Integer value of choice from list of decks if you already know which deck you would like to use without listing again.
repo	GitHub username and repo for deck repository in the format of "username/repository". Default value is "JeffreyRStevens/flashr_decks".

Value

Outputs a list of available built-in flashcard decks to the console, where the user can choose one of the decks to generate flashcards.

See Also

Other functions for finding decks: `list_decks()`

Examples

```
## Not run:
# Choose from all available decks in default repository
choose_deck()

# Choose from decks including text matching pattern
choose_deck(pattern = "r4ds")

# Choose from decks from specific repository
choose_deck(repo = "JeffreyRStevens/flashr_decks")

## End(Not run)
```

---

create_deck   *Create deck from vector of functions*

Description

The `create_deck()` function generates a set of flashcards with randomly ordered pairs of terms and descriptions from a vector of functions provided by the user. The function outputs reveal.js presentation as an HTML file. If running in RStudio, the flashcards are output to the viewer. Otherwise, they are output to a web browser.

Usage

```
create_deck(
  x,
  title = NULL,
  termsfirst = TRUE,
  package = TRUE,
  theme = "moon",
  file = NULL,
  fontsize = "default",
  fontcolor = NULL,
  linkcolor = NULL,
  use_browser = FALSE
)
```

Arguments

x	Name of pre-existing flashcard deck or path and name of CSV file containing terms and descriptions
title	Title provided for flashcard deck. Defaults to "Custom deck" if not provided.
termsfirst	Logical indicating whether to show terms first (TRUE) or descriptions first (FALSE)
package	Logical indicating whether to include package name in term

theme	Name of reveal.js theme to use for flashcards
file	Path and file name used to save flashcard deck locally (must save as HTML)
fontsize	Base font size for presentation. Acceptable values include "default" (500%), "large" (700%), and "small" (300%). Custom values can be set as percentages (e.g., "250%").
fontcolor	Font color for non-link text. Can be R color name, HTML color name, or hex code.
linkcolor	Font color for link text. Can be R color name, HTML color name, or hex code.
use_browser	Logical indicating whether to show the presentation in the RStudio viewer when available (FALSE) or the system's default browser (TRUE)

Value

An HTML file of terms and descriptions rendered in the RStudio viewer or web browser.

See Also

Other functions for creating decks: [flashcard](#)()

Examples

```
# Display terms then descriptions
my_functions <- c("as_tibble()", "bind_rows()", "c()")
create_deck(x = my_functions)

# Customize the title
create_deck(x = my_functions, title = "My deck")

# Save the HTML version of the flashcard deck locally
create_deck(x = my_functions, title = "My deck", file = "my_deck.html")
```

---

data_types	*Data types deck*

Description

This flashcard deck includes terms associated with data types and structures.

Usage

```
data_types
```

Format

A data frame with 4 columns.

term reference term or function

description description or definition of term

url URL for function documentation

package package including function/argument

title title of deck

---

flashcard	*Create flashcards*

Description

The `flashcard()` function generates a set of flashcards with randomly ordered pairs of terms and descriptions from built-in flashcard decks. The function outputs reveal.js presentation as an HTML file. If running in RStudio, the flashcards are output to the viewer. Otherwise, they are output to a web browser.

Usage

```
flashcard(
  x,
  termsfirst = TRUE,
  package = TRUE,
  theme = "moon",
  file = NULL,
  fontsize = "default",
  fontcolor = NULL,
  linkcolor = NULL,
  use_browser = FALSE
)
```

Arguments

x	Name of pre-existing flashcard deck or path and name of CSV file containing terms and descriptions
termsfirst	Logical indicating whether to show terms first (TRUE) or descriptions first (FALSE)
package	Logical indicating whether to include package name in term
theme	Name of reveal.js theme to use for flashcards
file	Path and file name used to save flashcard deck locally (must save as HTML)
fontsize	Base font size for presentation. Acceptable values include "default" (500%), "large" (700%), and "small" (300%). Custom values can be set as percentages (e.g., "250%").

fontcolor	Font color for non-link text. Can be R color name, HTML color name, or hex code.
linkcolor	Font color for link text. Can be R color name, HTML color name, or hex code.
use_browser	Logical indicating whether to show the presentation in the RStudio viewer when available (FALSE) or the system's default browser (TRUE)

Value

An HTML file of terms and descriptions rendered in the RStudio viewer or web browser.

See Also

Other functions for creating decks: [create_deck](#)()

Examples

```
# Display terms then descriptions
flashcard("data_types")

# Display descriptions then terms
flashcard("data_types", termsfirst = FALSE)

# Display terms without package information
flashcard("data_types", package = FALSE)
```

---

list_decks   *List available available flashcard decks*

Description

This function searches for flashcard decks stored in GitHub repositories. By default, the function searches the [flashr_decks repo](#). But other GitHub repos can be used.

To narrow the results, include text in the pattern argument (for example, list_decks(pattern = "r4ds")).

Usage

```
list_decks(
  pattern = NULL,
  repo = "JeffreyRStevens/flashr_decks",
  quiet = FALSE
)
```

Arguments

`pattern`	String pattern to search in list of decks.
`repo`	GitHub username and repo for deck repository in the format of "username/repository". Default value is "JeffreyRStevens/flashr_decks".
`quiet`	Logical to prevent list information from printing to console.

Details

You are welcome to fork the [flashr_decks repo](#) and modify or add your own decks. Or you can create your own repo from scratch. Just make sure to place your decks in a directory called `decks/` in your root directory. Then set the `repo` argument to your username and repo (see Examples).

Value

Outputs a list of available built-in flashcard decks to the console.

See Also

Other functions for finding decks: [`choose_deck`](#)`()`

Examples

```
# View all available decks
list_decks()

# View decks with text matching pattern
list_decks(pattern = "r4ds")

# View decks from specific repository
list_decks(repo = "JeffreyRStevens/flashr_decks")
```

`vectors`	*Vectors deck*

Description

This flashcard deck includes terms associated with vectors.

Usage

```
vectors
```

Format

A data frame with 4 columns.

term reference term or function

description description or definition of term

package package including function/argument

title title of deck

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