

Package ‘spongecake’

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Type Package

Title Transform a Movie into a Synthetic Picture

Version 0.1.2

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Description Transform a Movie into a Synthetic Picture. A frame every 10 seconds is summarized into one colour, then every generated colors are stacked together.

License GPL-3

Depends R (>= 3.0)

Encoding UTF-8

LazyData true

Imports magrittr, ggplot2, jpeg, plyr

RoxygenNote 6.0.1

SystemRequirements FFmpeg (<http://ffmpeg.org>)

URL <https://github.com/ThinkRstat/spongecake>

NeedsCompilation no

Repository CRAN

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average_color *average_color*

Description

return the average color from an image

Usage

```
average_color(img)
```

Arguments

img the image (a array)

draw *draw*

Description

transform a folder of scrennshot into a synthetical picture

Usage

```
draw(folder)
```

Arguments

folder the path of the folder

Examples

```
## Not run:  
#options(ffmpeg = "C:/ffmpeg-3.1.4-win64-static/bin/ffmpeg.exe") # windows user  
library(magrittr)  
gen_screenshot(movie = "D:/mymovie.avi") %>%  
draw()  
  
## End(Not run)
```

folder_average_color *folder_average_color*

Description

return the average color from all folder's images

Usage

```
folder_average_color(folder)
```

Arguments

folder the path of the folder

gen_screenshot *gen_screenshot*

Description

transform a movie into lot of screenshots

Usage

```
gen_screenshot(movie, folder = tempfile(), every = 10)
```

Arguments

movie the path of the movie
folder the path of the folder
every timbe between each screenshot in seconds

Examples

```
## Not run:  
gen_screenshot(movie = "D:/mymovie.avi") %>%  
  browseURL()  
  
## End(Not run)
```

spongecake

spongecake

Description

this package transform a movie into a simple image...

Examples

```
## Not run:
#options(ffmpeg = "C:/ffmpeg-3.1.4-win64-static/bin/ffmpeg.exe") # windows user
library(magrittr)
gen_screenshot(movie = "D:/mymovie.avi") %>%
draw()%>%
print()

## End(Not run)
```

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