Package 'makePalette'

September 28, 2023

Type Package

Title Make Palette

Version 0.1.2

Description Functions that allow you to create your own color palette from an image, using mathematical algorithms.

Depends R (>= 3.5.0)

License GPL-3

Encoding UTF-8

RoxygenNote 7.2.3

URL https://github.com/musajajorge/makePalette

Imports terra, cluster, grDevices, prismatic

NeedsCompilation no

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Repository CRAN

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R topics documented:

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makePaletteCLARA   *Make your color palette with the CLARA algorithm*

Description

Creates a color palette from an image, using the CLARA (Clustering Large Applications) algorithm

Usage

```
makePaletteCLARA(photo, n = 4)
```

Arguments

photo	Image location path. It can also be a URL address.
n	Number of elements to be generated in the color palette. The default value is 4.

Value

A palette of colors

Examples

```
makePaletteCLARA(system.file("extdata", "picture02.jpg", package="makePalette"))
makePaletteCLARA(system.file("extdata", "picture04.png", package="makePalette"), 6)
makePaletteCLARA(system.file("extdata", "picture05.jpg", package="makePalette"), 10)
MyPalette = makePaletteCLARA(system.file("extdata", "picture05.jpg", package="makePalette"), 10)
barplot(1:10, col=MyPalette)
```

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makePaletteKM   *Make your color palette with KMeans algorithm*

Description

Creates a color palette from an image, using the KMeans algorithm

Usage

```
makePaletteKM(photo, n = 4)
```

Arguments

photo	Image location path. It can also be a URL address.
n	Number of elements to be generated in the color palette. The default value is 4.

Value

A palette of colors

Examples

```
makePaletteKM(system.file("extdata", "picture02.jpg", package="makePalette"))
makePaletteKM(system.file("extdata", "picture04.png", package="makePalette"), 6)
makePaletteKM(system.file("extdata", "picture05.jpg", package="makePalette"), 10)
MyPalette = makePaletteKM(system.file("extdata", "picture05.jpg", package="makePalette"), 10)
barplot(1:10, col=MyPalette)
```

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