Package 'Rmolt'

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Type Package

Title Graphic Visualization of the Birds' Molt

Version 1.0.0

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Description Graphical visualization of the birds' molt to facilitate the creation of molting graph for passerines having 9 (Rmolt(data,9)) or 10 primaries (Rmolt(data,10)), and also only for the 10 first primaries (Rmolt(data,``10_0'')).

License GPL (>= 2)

Encoding UTF-8

LazyData true

Depends R (>= 2.10)

RoxygenNote 7.2.0

Suggests knitr, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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R topics documented:

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dcb	*Percentage of molting feathers in a 9 primarie bird*

Description

A dataset containing the percentage of molting feathers in a 9 primarie bird

Usage

dcb

Format

A data frame with 47 rows and 2 variables:

P name of the feather

molt percentage of molting (between 0 and 1) ...

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df	*Percentage of molting feathers in an only 10 primaries bird*

Description

A dataset containing the percentage of molting feathers in an only 10 primaries bird

Usage

df

Format

A data frame with 10 rows and 2 variables:

P name of the feather

molt percentage of molting (between 0 and 1) ...

`fcf` *Percentage of molting feathers in a 10 primarie bird*

Description

A dataset containing the percentage of molting feathers in a 10 primarie bird

Usage

`fcf`

Format

A data frame with 48 rows and 2 variables:

P name of the feather

molt percentage of molting (between 0 and 1) ...

`moult_color` *moult_color*

Description

moult_color

Arguments

`i`	a value to run the loop
`data`	a data table to choose the color

Value

color of the feather depending of the percentage, called for side effect

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percentage	*percentage*

Description

percentage

Usage

```
percentage()
```

Value

Don't return value, just display percentage box and color on graphs

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primarie_10	*primarie_10*

Description

primarie_10

Usage

```
primarie_10(i, data)
```

Arguments

i	a value to run the loop
data	a data table to choose the color

Value

No return value but etablish a molt graph for a 9 primaries' bird @examples primarie_10(2,fcf)

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primarie_9   *primarie_9*

Description

primarie_9

Arguments

i   a value to run the loop

data   a data table to choose the color

Value

No return value but etablish a molt graph for a 9 primaries' bird

Examples

```
primarie_9(2,dcb)
```

Rmolt   *Rmolt*

Description

An easy way to create molt graph of passerines wings. 3 different graph available: a full passerine wing with 9 primaries; argument : primarie=9 a full passerine wing with 10 primaries; argument: primarie=10 only the 10 primaries; argument: primarie="10_0"

The data table must have 2 rows and the order of the feathers must be like this:

for 9 primaries: c("CM10","CM9","CM8","CM7","CM6","CM5","CM4","CM3","CM2","CM1", "CP1", "CP2", "CP3","CP4","CP5","CP6","CP7","CP8", "CP9", "CC", "A1", "A2", "A3", "T3","T2","T1", "S6", "S5","S4","S3","S2","S1" ,"P1", "P2","P3","P4","P5","P6","P7","P8","P9", "R1","R2","R3","R4","R5","R6")

for 10 primaries: c("CM10","CM9","CM8","CM7","CM6","CM5","CM4","CM3","CM2","CM1", "CP1", "CP2", "CP3","CP4","CP5","CP6","CP7","CP8", "CP9", "CC", "A1", "A2", "A3", "T3","T2","T1", "S6", "S5","S4","S3","S2","S1" ,"P1", "P2","P3","P4","P5","P6","P7","P8","P9","P10" "R1","R2","R3","R4","R5","R6")

for only 10 primaries: c("P1", "P2","P3","P4","P5","P6","P7","P8","P9","P10")

dcb, fcf and df are examples data table include in this package

Arguments

data   a data table to create the graph

primaries   an argument to choose the graph

Details

Rmolt

Value

Don't return value, print molt graph.

Author(s)

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Examples

```
data(df)
Rmolt(df,"10_0")

data(fcf)
Rmolt(fcf,10)


data(dcb)
Rmolt(dcb,9)
```

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