

Package ‘Rmolt’

July 21, 2025

Type Package

Title Graphic Visualization of the Birds' Molt

Version 1.0.0

Date 2022-09-16

Maintainer Martin Bozon <bozon.etu@gmail.com>

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

Author Martin Bozon [cre, aut]

Repository CRAN

Date/Publication 2022-09-22 08:40:18 UTC

Contents

dcb	2
df	2
fcf	3
moult_color	3
percentage	4
primarie_10	4
primarie_9	5
Rmolt	5

Index	7
--------------	----------

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) ...

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	<i>Percentage of molting feathers in a 10 primarie bird</i>
-----	---

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	<i>moult_color</i>
-------------	--------------------

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

percentage	<i>percentage</i>
------------	-------------------

Description

percentage

Usage

percentage()

Value

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

primarie_10	<i>primarie_10</i>
-------------	--------------------

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 establish a molt graph for a 9 primaries' bird @examples primarie_10(2,fcf)

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 establish 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)

c(person("Martin","Bozon",email = "bozon.etu@gmail.com", role = c("cre","aut")))

Examples

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

```
data(fcf)
Rmolt(fcf, 10)
```

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

Index

* datasets

dcb, [2](#)

df, [2](#)

fcf, [3](#)

dcb, [2](#)

df, [2](#)

fcf, [3](#)

moult_color, [3](#)

percentage, [4](#)

primarie_10, [4](#)

primarie_9, [5](#)

Rmolt, [5](#)