

Package ‘avesperu’

September 20, 2023

Title Access to the List of Birds Species of Peru

Version 0.0.1

Description Allows access to the data found in the species list featured in the renowned 'List of the Birds of Peru' Plenge, M. A. (2023) <<https://sites.google.com/site/boletinunop/checklist>>. This publication stands as one of Peru's most comprehensive reviews of bird diversity. The dataset incorporates detailed species accounts and has been meticulously structured for effortless utilization within the R environment.

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Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.2.3

URL <https://github.com/PaulESantos/avesperu>

BugReports <https://github.com/PaulESantos/avesperu/issues>

Depends R (>= 2.10)

LazyData true

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NeedsCompilation no

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Repository CRAN

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`avesperu_tab`*avesperu_tab Dataset*

Description

The `avesperu_tab` dataset contains a tibble that provides information on bird species recorded in Peru, based on the "List of the Birds of Peru" by M. A. Plenge. It includes details such as scientific names, English names, Spanish names, order, family, and status of each species.

Usage

```
avesperu_tab
```

Format

A tibble with 1,892 rows and 6 columns:

scientific_name Scientific name of the bird species.

english_name English common name of the bird species.

spanish_name Spanish common name of the bird species.

order The order to which the bird species belongs.

family The family to which the bird species belongs.

status Status of the bird species (e.g., resident, endémic, migratory, etc.).

Details

This dataset is designed to provide users with comprehensive information about the avian species found in Peru, as documented by M. A. Plenge. It is organized for easy access and utilization within the R environment.

Author(s)

Data compilation: M. A. Plenge, Package implementation: Paul Efren Santos Andrade

References

The dataset is based on the "List of the Birds of Peru" by M. A. Plenge.

See Also

For more information about the "avesperu" package and the data sources, visit the package's GitHub repository: <https://github.com/PaulESantos/avesperu>

Examples

```
# Load the avesperu package
library(avesperu)

# Access the avesperu_tab dataset
data("avesperu_tab")

# Display the first few rows
head(avesperu_tab)
```

search_avesperu	<i>Retrieve Data from the List of the Birds of Peru</i>
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Description

This function takes a list of birds species names, searches for their data in the avesperu package dataset, and returns a data frame containing the relevant information for each species.

Usage

```
search_avesperu(splist, max_distance = 0.1)
```

Arguments

splist	A character vector containing the names of the species to search for.
max_distance	The maximum allowed distance for fuzzy matching of species names. Defaults to 0.1.

Details

The function allows fuzzy matching for species names with a maximum distance threshold to handle potential typos or variations in species names.

Value

A data frame containing the retrieved information for each species.

Examples

```
splist <- c("Falco sparverius", "Tinamus osgodi", "Crypturellus souui",
           "Thraupisa palamarum", "Thamnophilus praecox")

search_avesperu(splist)
```

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