

# Package ‘avesperu’

March 10, 2024

**Title** Access to the List of Birds Species of Peru

**Version** 0.0.2

**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.

**License** MIT + file LICENSE

**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Encoding** UTF-8

**RoxygenNote** 7.3.1

**URL** <https://github.com/PaulESantos/avesperu>,  
<https://paulesantos.github.io/avesperu/>

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

**Depends** R (>= 2.10)

**LazyData** true

**Maintainer** Paul E. Santos Andrade <paulefrens@gmail.com>

**NeedsCompilation** no

**Author** Paul E. Santos Andrade [aut, cre]  
(<<https://orcid.org/0000-0002-6635-0375>>)

**Repository** CRAN

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aves_peru_2023	<i>aves_peru_2023 Dataset</i>
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## Description

The `aves_peru_2023` dataset comprises a tibble containing information regarding bird species documented in Peru, sourced from the "List of the Birds of Peru" compiled by M. A. Plenge in 2023. It encompasses various details, including scientific names, English names, Spanish names, order, family, and status of each species.

## Usage

```
aves_peru_2023
```

## 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("aves_peru_2023")

# Display the first few rows
head(aves_peru_2023)
```

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aves_peru_2024	<i>aves_peru_2024 Dataset</i>
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## Description

The `aves_peru_2024` 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 (last updated on March 6, 2024). It includes details such as scientific names, English names, Spanish names, order, family, and status of each species.

## Usage

```
aves_peru_2024
```

## Format

A tibble with 1,901 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, endemic, 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. The citation for the list is as follows: Plenge, M. A. Version (09-03-2024). List of the birds of Peru / Lista de las aves del Perú. Unión de Ornitólogos del Perú: <https://sites.google.com/site/boletinunop/checklist>

## 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
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search\_avesperu

*Retrieve Data from the List of the Birds of Peru*

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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 sooui",  
           "Thraupisa palamarum", "Thamnophilus praecox")
```

```
search_avesperu(splist)
```

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