Package 'fishdata'

February 13, 2018

Type Package

Title A Small Collection of Fish Population Datasets

Version 0.1.3

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Description A collection of four datasets
based around the population dynamics of migratory fish. Datasets
contain both basic size information on a per fish basis, as well as
otolith data that contains a per day record of fish growth history.
All data in this package was collected by the author, from
2015-2016, in the Wellington region of New Zealand.

License GPL-3

Depends R (>= 2.10)

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

Suggests knitr, rmarkdown, dplyr, magrittr

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

Date/Publication 2018-02-13 10:09:12 UTC

R topics documented:

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adult_growths   *Growth data of adult fish*

Description

A dataset containing adult data for adults of a migratory fish species. It matches with the "adult_morphologies" dataset.

Usage

```
data(adult_growths)
```

Format

A dataset containing 16795 rows and 6 variables

fish_id a unique identifier for each fish

site one of two collection sites

month month that the fish was collected on

increment a count of each otolith increment. Counts a day in the fishes life

position the distance of the increment from the centre of the otolith

distance the distance of the increment from the previous increment

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adult_morphologies   *Morphological data of adult fish*

Description

A dataset containing morphological data for adult of a migratory fish species. It matches with the "adult_growths" dataset

Usage

```
data(adult_morphologies)
```

Format

A dataset containing 48 rows and 5 variables

standard_length standard length of the fish (distance from posterior to caudal peduncle)

body_depth body depth of the fish at its maximum point

fish_id a unique identifier for each fish

site one of two collection sites

month month that the fish was collected on

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juvenile_growths *Growth data of juvenile fish*

Description

A dataset containing growth data for juveniles of a migratory fish species. It matches with the "juvenile_morphologies" dataset.

Usage

```
data(juvenile_growths)
```

Format

A dataset containing 104376 rows and 8 variables

fish_id a unique identifier for each fish

otolith_id unique identifier for the fishes otolith

site one of two collection sites

month month that the fish was collected on

day day that the fish was collected on

increment a count of each otolith increment. Counts a day in the fishes life

position the distance of the increment from the centre of the otolith

distance the distance of the increment from the previous increment

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juvenile_morphologies *Morphological data of juvenile fish*

Description

A dataset containing morphological data for juveniles of a migratory fish species. It matches with the "juvenile_growths" dataset

Usage

```
data(juvenile_morphologies)
```

Format

A dataset containing 496 rows and 7 variables

fish_id a unique identifier for each fish

site one of two collection sites

day day that the fish was collected on

month month that the fish was collected on

standard_length standard length of the fish (distance from posterior to caudal peduncle)

body_depth body depth of the fish at its maximum point

otolith_id unique identifier for the fishes otolith

Index