Package 'FishMaps2'

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Title Proportional symbol mapping for fishery data in batch mode

Version 0.1.0

Description Proportional symbol mapping for fishery data in batch mode (ggplot2 version). This package plots and arrange multiple fisheries maps in a grid.

Depends R (>= 3.2.0)

Imports ggplot2, mapdata, maps, marelac

License GPL-3

LazyData true

RoxygenNote 5.0.1

NeedsCompilation no

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BB.data.y *Baitboat yearly aggregated data*

Description

Skipjack tuna CPUE by year, caught by the brazilian baitboat fleet, based at Itajai (SC) harbor.

Usage

```
data(BB.data.y)
```

Format

A data frame with 56 observations on the following 4 variables:

- year: a factor with levels `2001`, `2002`
- lat: a numeric vector
- lon: a numeric vector
- cpue: a numeric vector

Source

Actually this is some randomly generated data.

Examples

```
data(BB.data.y)
str(BB.data.y)
```

BB.data.yq *Baitboat quarterly aggregated data*

Description

Skipjack tuna CPUE by quarter and year, caught by the brazilian baitboat fleet, based at Itajai (SC) harbor.

Usage

```
data(BB.data.yq)
```

Format

A data frame with 120 observations on the following 5 variables:

- year: a factor with levels `2001`, `2002`
- quarter: a factor with levels `1`, `2`, `3`, `4`
- lat: a numeric vector
- lon: a numeric vector
- cpue: a numeric vector

Source

Actually this is some randomly generated data.

Examples

```
data(BB.data.yq)
str(BB.data.yq)
```

FishMaps2 *Plots Fishery Data into Maps.*

Description

Plots georeferenced fishery data (e.g. catch, effort and CPUE) into maps. This is the lattice version of a previous FishMaps version based on traditional grid graphics.

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isobathy *Title*

Description

Texto.

Usage

```
isobathy(database)
```

Arguments

`database`	param

Value

return

Author(s)

Rodrigo Sant'Ana

`LL.data.y` *Longline yearly aggregated data*

Description

Swordfish CPUE by year, caught by the brazilian longline fleet, based at Itajai (SC) harbor.

Usage

```
data(LL.data.y)
```

Format

A data frame with 82 observations on the following 4 variables.

- year: a factor with levels `2001`, `2002`, `2003`, `2004`, `2005`
- lat: a numeric vector
- lon: a numeric vector
- cpue: a numeric vector

Source

Actually this is some randomly generated data.

Examples

```
data(LL.data.y)
str(LL.data.y)
```

LL.data.yq *Longline quarterly aggregated data*

Description

Swordfish CPUE by year and quarter, caught by the brazilian longline fleet, based at Itajai (SC) harbor.

Usage

```
data(LL.data.yq)
```

Format

A data frame with 181 observations on the following 5 variables:

- year: a factor with levels 2001, 2002, 2003, 2004, 2005
- quarter: a factor with levels 1, 2, 3, 4
- lat: a numeric vector
- lon: a numeric vector
- cpue a numeric vector

Source

Actually this is some randomly generated data.

Examples

```
data(LL.data.yq)
str(LL.data.yq)
```

tilemap *Plots fishery data into maps*

Description

Plots georeferenced fishery data (catch, effort, CPUE, ...) into maps. This description needs to be expanded.

Usage

```
tilemap(x, y, z, data, facet.opt = NULL, xlim, ylim, col.fill = c("gray70",
  "gray10"), database = c("world", "worldHires"), bathymetry = FALSE, ...)
```

Arguments

x	A vector of coordinates (longitude)
y	A vector of coordinates (latitude)
z	A numeric vector with data to fill in the map
data	The data frame containing the data
facet.opt	A list containing options to facet plots
xlim, ylim	X (longitude) and Y (latitude) limits of the map
col.fill	The color of the grid
database	The map datbase (from package mapdata)
bathymetry	A logical indicating if bathymetry lines should be included
...	Other arguments passed to map

Value

A map with data

Examples

```
1 + 1
```

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