Package: dippR (via r-universe)

October 19, 2026

Title What the Package Does (One Line, Title Case)

Version 0.0.0.9000

Description What the package does (one paragraph).

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Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.3

Depends ISO11784Tools, Rcpp, data.table, duckdb, stringdist, openxlsx, sf, options, ggplot2, tmap, patchwork, options

Config/pak/sysreqs libabsl-dev cmake libgdal-dev gdal-bin libgeos-dev make libicu-dev libpng-dev libuv1-dev libxml2-dev libssl-dev libproj-dev libsqlite3-dev libudunits2-dev xz-utils zlib1g-dev

Repository https://barryrowlingson.r-universe.dev

Date/Publication 2026-03-23 16:00:40 UTC

RemoteUrl https://codeberg.org/browlingson/dippR

RemoteRef HEAD

RemoteSha 9722f07873b78e90d90a6a1e18aea3fd5475f5c3

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`birdplot` *Bird Plot*

Description

make map of bird movement

Usage

```
birdplot(bdxy, bird, stations, jitter = TRUE)
```

Arguments

`bdxy`	Data frame of all bird data
`bird`	BTO code
`stations`	RX station data frame
`jitter`	Wiggle line end points

Details

maps the path of a bird

Value

tmap object for plotting

Author(s)

Barry Rowlingson

`build_db` *build db*

Description

Build the database

Usage

```
build_db(dipperdata, dbfile)
```

Arguments

`dipperdata`	path to data
`dbfile`	path to output file

Details

From the data, build a database.

Value

nothing

Author(s)

Barry Rowlingson

`dipper_table` *Read Dipper Data Table*

Description

Read a table from the dipper data

Usage

```
dipper_table(dbfile, tab)
```

Arguments

`dbfile`	path to dipper duckdb file
`tab`	name of table

Details

Read a table from the dipper data

Value

data table from duckdb file

Author(s)

Barry Rowlingson

`dipper_tables` *List dipper Data Tables*

Description

List dipper data tables

Usage

```
dipper_tables(dbfile)
```

Arguments

`dbfile`	path to dipper duckdb file

Details

Return table names from the dipper data

Value

Names of tables in the data file

Author(s)

Barry Rowlingson

`load_dipper_tables` *Attach Tables from Database*

Description

Attach tables from dipper database

Usage

```
load_dipper_tables(dbfile, tables = dipper_tables(dbfile))
```

Arguments

`dbfile`	path to dipper duckdb file
`tables`	names of tables

Details

This attaches tables from the database to the search path

Value

nothing

Author(s)

Barry Rowlingson

`timedata` *Get time series of a bird*

Description

get time eries

Usage

```
timedata(bird)
```

Arguments

`bird`	One birds worth of data

Details

get the time series for one bird

Value

Aggregated daily data

Author(s)

Barry Rowlingson

timeplot *Bird Time Plot*

Description

make time plot

Usage

```
timeplot(d, showBTO = FALSE, direction = FALSE)
```

Arguments

d	data table of bird data
showBTO	BTO ode
direction	Separate by Site and Direction

Details

makes a time plot for a bird

Value

a ggplot object for display

Author(s)

Barry Rowlingson

twoplots *Two Plots*

Description

Do a time plot and a map plot

Usage

```
twoplots(bdxy, bird, stations, jitter = TRUE, direction = FALSE)
```

Arguments

bdxy	bird data frame
bird	BTO code
stations	RX station data frame
jitter	Wiggle lines for clarity
direction	Use Site:Direction for time groups

Details

make a time plot and a map plot

Value

an object for plotting

Author(s)

Barry Rowlingson

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