

Package: preparelocs (via r-universe)

September 21, 2026

Title Prepares Relocations For The WEEL

Version 0.1.3

Description Prepares animal relocation datasets for the Wildlife
Evolutionary Ecology Lab at Memorial University.

License GPL-3

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.3

Imports data.table, parsedate, sf, spatsoc

Suggests targets, renv, qs, visNetwork

Repository <https://robital.ec.r-universe.dev>

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check_col	<i>check col</i>
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Description

check col

Usage

check_col(DT = NULL, col = NULL, arg = NULL, extra = NULL)

Arguments

DT	data.table
col	column name
arg	argument name
extra	extras

check_deployment	<i>Check deployment</i>
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Description

Check deployment

Usage

check_deployment(DT, meta)

Arguments

meta	metadata with variable 'deployment' indicating path to csv with three columns indicating 'id' animal id, 'start_date' start of deployment and 'end_date' end of deployment both structured as 'YYYY-MM-DD' formatted character
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`check_locs`*Check locs*

Description

using functions `check_longlat` and `check_loc_meta`

Usage

```
check_locs(DT, meta)
```

Arguments

`meta`

Author(s)

Alec L. Robitaille

`check_locs_meta`*Check loc meta*

Description

Check location data's meta information eg. map quality, DOP, manual exclusion

Usage

```
check_locs_meta(DT)
```

Arguments

`DT` `data.table`

Value

`data.table`

Author(s)

Alec L. Robitaille

check_longlat	<i>Check long and lat</i>
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Description

Check long and lat

Usage

```
check_longlat(DT)
```

Arguments

DT	data.table
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Value

data.table

Author(s)

Alec L. Robitaille

check_meta	<i>Check metadata</i>
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Description

Checks for duplicate names and filters if file doesn't exist on the current machine

Usage

```
check_meta(meta)
```

Author(s)

Alec L. Robitaille

check_type	<i>check type</i>
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Description

check type

Usage

```
check_type(DT = NULL, col = NULL, type = NULL)
```

Arguments

DT	data.table.
col	column name.
type	typeof type type typeof type.

export_csv	<i>Export CSVs</i>
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Description

Minimal wrapper around fwrite, to write separate CSVs if splitBy is provided

Usage

```
export_csv(DT, outpath, splitBy, extracols)
```

Arguments

splitBy

Author(s)

Alec L. Robitaille

metadata	<i>Generate data details</i>
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Description

Metadata about input data including file paths, column names, time zones and EPSG codes.

Usage

```
metadata()
```

Arguments

path	filepath
x_long	unprojected longitude coordinate column name
y_lat	unprojected latitude coordinate column name
id	individual identifier column name
datetime	datetime column name. either provide datetime or both date and time
date	date column name. either provide both date and time or datetime
time	time column name. either provide both date and time or datetime
extracols	list of extra column names to preserve
tz	time zone of datetime columns as stored in the input file
epsgin	EPSG code of input. if numeric, EPSG code to use for all rows. if character, column name of EPSG code in DT
epsgout	local projection EPSG code to reproject x_long+y_lat into
deployment	path to deployment CSV. see check_deployment().

Author(s)

Alec L. Robitaille

overwrite_col	<i>overwrite_col</i>
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Description

overwrite_col

Usage

```
overwrite_col(DT = NULL, col = NULL)
```

Arguments

DT	data.table
col	column name

prep_dates	<i>Prepare datetime column</i>
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Description

Prepare datetime column

Usage

```
prep_dates(DT, tz)
```

Arguments

tz character; time zone of the data **input**, as it is stored the file.

Value

data.table with datetime in UTC time, idate, itime and DOY

Author(s)

Alec L. Robitaille

project_locs	<i>Project locs</i>
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Description

Project locs

Usage

```
project_locs(DT, epsgin, epsgout)
```

Arguments

EPSG numeric; EPSG code

Author(s)

Alec L. Robitaille

read_data	<i>Read data</i>
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Description

Read data

Usage

```
read_data(path, meta)
```

Arguments

path	character; path to input file passed to fread
------	---

Value

data.table

Author(s)

Alec L. Robitaille

set_colnames	<i>Set consistent column names</i>
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Description

Set consistent column names

Usage

```
set_colnames(  
  DT,  
  x_long,  
  y_lat,  
  id,  
  date = NULL,  
  time = NULL,  
  datetime = NULL,  
  extracols = NULL  
)
```

Arguments

extracols	character vector; list of column names to include (eg. for group_pts splitBy)
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Value

Input DT with only selected columns id, datetime, coords and any column provided in extracols

Author(s)

Alec L. Robitaille

why

Why flag why

Description

Appends flag to existing flag(s)

Usage

why(flag, why)

Arguments

why

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