Package ‘esmisc’

May 8, 2026

Type Package

Title Misc Functions of Eduard Szöcs

Version 0.0.3

Date 2017-01-10

Maintainer Eduard Szöcs <eduardszoecs@gmail.com>

Description Misc functions programmed by Eduard Szöcs.
Provides read_regnie() to read gridded precipitation data from German Weather Service (DWD, see <http://www.dwd.de/> for more information).

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URL https://github.com/EDiLD/esmisc

BugReports https://github.com/EDiLD/esmisc/issues

Encoding UTF-8

LazyLoad yes

LazyData yes

Depends R (>= 3.1.0)

Imports raster, ggplot2, readr

Suggests testthat

RoxygenNote 5.0.1

NeedsCompilation no

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Repository CRAN

Date/Publication 2017-01-11 10:34:49

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read_regnie *Read DWD REGNIE gridded data into R*

Description

This functions reads DWD REGNIE data. A description of the data can be found here (pdf-format): https://www.dwd.de/DE/leistungen/regnie/download/regnie_beschreibung_pdf.pdf?__blob=publicationFile&v=2. Data is available here: ftp://ftp-cdc.dwd.de/pub/CDC/grids_germany/daily/regnie/.

Usage

```
read_regnie(file)
```

Arguments

`file`	path to gz archive

Value

A `RasterLayer` object.

Examples

```
# Read daily precipitation on 20.01.2005.
r <- read_regnie(system.file("extdata", "ra050120.gz", package = "esmisc"))
```

theme_edi *Custom ggplot2 theme*

Description

Custom ggplot2 theme

Usage

```
theme_edi(base_size = 14, base_family = "Helvetica")
```

Arguments

`base_size`	basefont size
`base_family`	base font family

Examples

```
library(ggplot2)
p <- ggplot(mtcars) +
 geom_point(aes(x = wt, y = mpg,
colour=factor(gear))) + facet_wrap(~am)
p
p + theme_edi()
```

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