

# Package ‘esmisc’

July 22, 2025

**Type** Package

**Title** Misc Functions of Eduard Szöcs

**Version** 0.0.3

**Date** 2017-01-10

**Maintainer** Eduard Szöcs <eduardsoecs@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).

**License** MIT + file LICENSE

**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*

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**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](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/](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"))
```

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`theme_edi`*Custom ggplot2 theme*

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**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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