

Package: sitrep (via r-universe)

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Type Package

Title Report templates and helper functions for applied epidemiology

Version 0.2.3

Description Report templates and helper functions for applied epidemiology.

License GPL-3

BugReports <https://github.com/R4EPI/sitrep/issues>

URL <https://github.com/R4EPI/sitrep>, <https://r4epi.github.io/sitrep/>

Depends R (>= 3.2)

Imports anthro, apyramid (>= 0.1.0), binom, broom, clipr, dplyr (>= 0.8.0), epitabulate (>= 0.0.0.9007), epidict (>= 0.0.0.9001), epikit (>= 0.1.4), forcats, flextable, ggalluvial, ggplot2 (>= 3.0.0), ggspatial, gtsummary (>= 2.0.0), glue, here, janitor, knitr, labelled, lubridate, matchmaker, pacman, parsedate, patchwork, purrr, rio, rlang (>= 0.4.0), rmarkdown, scales, sf, slider, srvyr, stats, stringr, survey, tibble, tidyr (>= 1.0.0), tidyselect, tsibble, utils

Suggests testthat (>= 2.1.0), sessioninfo, vdiff, covr, summarytools

Remotes R4EPI/apyramid, R4EPI/epitabulate, R4EPI/epidict, R4EPI/epikit

Additional_repositories <https://r4epi.github.io/drat>

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Collate 'sitrep-package.R' 'check_templates.R' 'apyramid_exports.R' 'epidict_exports.R' 'epikit_exports.R' 'epitabulate_exports.R'

Repository <https://zkamvar.r-universe.dev>

RemoteUrl <https://github.com/r4epi/sitrep>

RemoteRef HEAD

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add_weights_cluster *Exported functions from epikit*

Description

Exported functions from epikit

Usage

```
add_weights_cluster(
  x,
  cl,
  eligible,
  interviewed,
  cluster_x = NULL,
  cluster_cl = NULL,
  household_x = NULL,
  household_cl = NULL,
  ignore_cluster = TRUE,
  ignore_household = TRUE,
  surv_weight = "surv_weight",
  surv_weight_ID = "surv_weight_ID"
)
```

```
add_weights_strata(
  x,
  p,
  ...,
  population = population,
  surv_weight = "surv_weight",
  surv_weight_ID = "surv_weight_ID"
)
```

```
age_categories(
  x,
  breakers = NULL,
  lower = 0,
  upper = NULL,
```

```
    by = 10,  
    separator = "-",  
    ceiling = FALSE,  
    above.char = "+"  
  )  
  
  assert_positive_timespan(x, date_start, date_end)  
  
  augment_redundant(x, ...)  
  
  constrain_dates(i, period_start, period_end, boundary = "both")  
  
  dots_to_charlist(parent = 1L)  
  
  fac_from_num(x)  
  
  find_breaks(n, breaks = 4, snap = 1, ceiling = FALSE)  
  
  find_date_cause(  
    x,  
    ...,  
    period_start = NULL,  
    period_end = NULL,  
    datecol = "start_date",  
    datereason = "start_date_reason",  
    na_fill = "start"  
  )  
  
  find_end_date(  
    x,  
    ...,  
    period_start = NULL,  
    period_end = NULL,  
    datecol = "end_date",  
    datereason = "end_date_reason"  
  )  
  
  find_start_date(  
    x,  
    ...,  
    period_start = NULL,  
    period_end = NULL,  
    datecol = "start_date",  
    datereason = "start_date_reason"  
  )  
  
  fmt_ci(  
    e = numeric(),
```

```
    l = numeric(),
    u = numeric(),
    digits = 2,
    percent = TRUE,
    separator = "-"
  )

fmt_ci_df(
  x,
  e = 3,
  l = e + 1,
  u = e + 2,
  digits = 2,
  percent = TRUE,
  separator = "-"
)

fmt_count(x, ...)

fmt_pci(
  e = numeric(),
  l = numeric(),
  u = numeric(),
  digits = 2,
  percent = TRUE,
  separator = "-"
)

fmt_pci_df(
  x,
  e = 3,
  l = e + 1,
  u = e + 2,
  digits = 2,
  percent = TRUE,
  separator = "-"
)

gen_polygon(regions)

gen_population(
  total_pop = 1000,
  groups = c("0-4", "5-14", "15-29", "30-44", "45+"),
  strata = c("Male", "Female"),
  proportions = c(0.079, 0.134, 0.139, 0.082, 0.066),
  counts = NULL,
  tibble = TRUE
)
```

```

group_age_categories(
  dat,
  years = NULL,
  months = NULL,
  weeks = NULL,
  days = NULL,
  one_column = TRUE,
  drop_empty_overlaps = TRUE
)

merge_ci_df(x, e = 3, l = e + 1, u = e + 2, digits = 2, separator = "-")

merge_pci_df(x, e = 3, l = e + 1, u = e + 2, digits = 2, separator = "-")

rename_redundant(x, ...)

unite_ci(
  x,
  col = NULL,
  ...,
  remove = TRUE,
  digits = 2,
  m100 = TRUE,
  percent = FALSE,
  ci = FALSE,
  separator = "-"
)

zcurve(x, zscore)

```

See Also

```

epikit::add_weights_cluster(), epikit::add_weights_strata(), epikit::age_categories(),
epikit::assert_positive_timespan(), epikit::augment_redundant(), epikit::constrain_dates(),
epikit::dots_to_charlist(), epikit::fac_from_num(), epikit::find_breaks(), epikit::find_date_cause(),
epikit::find_end_date(), epikit::find_start_date(), epikit::fmt_ci(), epikit::fmt_ci_df(),
epikit::fmt_count(), epikit::fmt_pci(), epikit::fmt_pci_df(), epikit::group_age_categories(),
epikit::merge_ci_df(), epikit::merge_pci_df(), epikit::rename_redundant(), epikit::unite_ci(),
epikit::zcurve()

```

age_pyramid

Functions re-exported from apyramid

Description

Functions re-exported from apyramid

Usage

```
age_pyramid
```

Format

An object of class function of length 1.

See Also

apyramid functions:

- `apyramid::age_pyramid()`: Plot a population pyramid (age-sex) from a dataframe

attack_rate

Functions re-exported from epitabulate

Description

Functions re-exported from epitabulate

Usage

```
attack_rate(
  cases,
  population,
  conf_level = 0.95,
  multiplier = 100,
  mergeCI = FALSE,
  digits = 2
)
```

See Also

epitabulate functions:

- `epitabulate::attack_rate()`,
- `epitabulate::case_fatality_rate()`
- `epitabulate::case_fatality_rate_df()`,
- `epitabulate::mortality_rate()`
- `epitabulate::add_ar()`: a gtsummary wrapper for `epitabulate::attack_rate()`
- `epitabulate::add_cfr()`: a gtsummary wrapper for `epitabulate::case_fatality_rate()`
- `epitabulate::add_crosstabs()`: a gtsummary wrapper to add counts to a `gtsummary::tbl_uvregression()`
- `epitabulate::add_mr()`: a gtsummary wrapper for `epitabulate::mortality_rate()`
- `epitabulate::gt_mh_odds()`: a gtsummary wrapper for stratified univariate regression and mantel-haenszel estimates

- `epitabulate::gt_remove_stat()`: a gtsummary wrapper to remove variables from a gt-summary table
- `epitabulate::tab_linelist()`: tabulate linelist data
- `epitabulate::tab_survey()`: tabulate survey data
- `epitabulate::tab_univariate()`: calculate odds, risk, and incidence risk ratios for multiple variables from linelist data.
- `epitabulate::data_frame_from_2x2()`: convert a 2x2(x2) table to a data frame clearly labelling the (un)exposed (non)case combinations and their totals.

available_sitrep_templates

Display the available sitrep templates

Description

Display the available sitrep templates

Usage

```
available_sitrep_templates(categorise = FALSE, ...)
```

Arguments

<code>categorise</code>	if TRUE, the results are split into a list of outbreak and survey categories. Defaults to FALSE.
<code>...</code>	options to pass on to dir

Value

a vector of available templates in the sitrep package

Examples

```
available_sitrep_templates(categorise = TRUE)
available_sitrep_templates(categorise = TRUE, full.names = TRUE)
```

msf_dict

Functions re-exported from epidict

Description

Functions re-exported from epidict

Usage

```
msf_dict(  
  disease,  
  name = "MSF-outbreak-dict.xlsx",  
  tibble = TRUE,  
  compact = TRUE,  
  long = TRUE  
)  
  
msf_dict_survey(  
  disease,  
  name = "MSF-survey-dict.xlsx",  
  tibble = TRUE,  
  compact = TRUE,  
  long = TRUE,  
  template = TRUE  
)  
  
msf_dict_rename_helper(  
  disease,  
  name,  
  varnames = "data_element_shortcode",  
  varnames_type,  
  rmd,  
  template = TRUE,  
  copy_to_clipboard = TRUE  
)  
  
gen_data(  
  dictionary,  
  varnames = "data_element_shortcode",  
  numcases = 300,  
  org = "MSF"  
)
```

See Also

Dictionaries: [epidict::msf_dict\(\)](#), [epidict::msf_dict_survey\(\)](#)
Renaming: [epidict::msf_dict_rename_helper\(\)](#)
Generator: [epidict::gen_data\(\)](#)

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