

Package: rsurvstat (via r-universe)

September 18, 2024

Title Download Timeseries from SurvStat (Robert Koch Institute)

Version 0.0.4

Description What the package does (one paragraph).

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Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.3

Suggests knitr, rmarkdown, ggplot2

VignetteBuilder knitr

Imports dplyr, magrittr, xml2, stringr, tibble, httr2, curl

Depends R (>= 2.10)

LazyData true

URL <https://bristol-vaccine-centre.github.io/rsurvstat/index.html>,
<https://github.com/bristol-vaccine-centre/rsurvstat>

BugReports <https://github.com/bristol-vaccine-centre/rsurvstat/issues>

Repository <https://bristol-vaccine-centre.r-universe.dev>

RemoteUrl <https://github.com/bristol-vaccine-centre/rsurvstat>

RemoteRef 0.0.4

RemoteSha c7fef59b9037031b6006b01e52ef9b5214c71f02

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age_groups	<i>SurvStat age group list</i>
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Description

- single_year
- children_coarse: from 0, 15, 20, 25, 30, 40, 50, 60, 70, 80 years
- children_medium: from 0, 5, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80 years
- children_fine: from 0, 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80 years
- five_year: from 0, 1, 5, 10, 15, 20, . . . , 75, 80 years
- zero_fifteen: from 0, 15+
- zero_fifteen_sixty: from 0, 15, 60+
- zero_one_4_20_40_60_80: from 0, 15, 60+

Usage

age_groups

Format

An object of class `list` of length 8.

References

<https://survstat.rki.de/Content/Query/Create.aspx>

diseases	<i>SurvStat disease list</i>
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Description

SurvStat disease list

Usage

diseases

Format

An object of class `list` of length 108.

References

<https://survstat.rki.de/Content/Query/Create.aspx>

get_timeseries *Extract age stratified case count of disease positive cases.*

Description

N.b. its not possible to differentiate between missing data and zero counts in the source dataset.

Usage

```
get_timeseries(  
  disease = diseases$`COVID-19`,  
  measure = c("Count", "Incidence"),  
  age_group = age_groups$single_year,  
  quiet = FALSE,  
  trim_zeros = c("leading", "both", "none")  
)
```

Arguments

disease	the disease of interest, see <code>rsurvstat::diseases</code>
measure	one of "Count" or "Incidence"
age_group	the age_group of interest, see <code>rsurvstat::age_groups</code>
quiet	suppress loading messages
trim_zeros	get rid of zero counts. Either "both" (from start and end), "leading" (from start only - the default) or "none".

Value

a data frame with `age_cat` (ordered factor), `age_start`, `age_end`, `elapsed_week` (weeks since 2020-12-31), `date` (start of week date approximate) and one of count, incidence or population columns

Examples

```
get_timeseries(diseases$`COVID-19`, measure = "Count", age_group = age_groups$zero_fifteen_sixty)
```

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