

Package: sitrep (via r-universe)

August 26, 2024

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, cli, 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, glue, here, janitor, knitr, labelled, lubridate, matchmaker, pacman, parsedate, patchwork, purrr, rio, rlang (>= 0.4.0), rmarkdown, rstudioapi, 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 7.2.3

Collate 'sitrep-package.R' 'check_templates.R' 'apyramid_exports.R' 'epidict_exports.R' 'epikit_exports.R' 'epitabulate_exports.R' 'AJS_linelist_internal.R' 'AJS_pop_internal.R' 'shape_quartier_internal.R' 'shape_block_internal.R' 'download_datasets.R'

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

RemoteUrl <https://github.com/r4epi/sitrep>
RemoteRef HEAD
RemoteSha b96906b87b3bb4f4d9f8b1112ad723a286c9e6c6

Contents

age_pyramid	2
AJS_linelist_internal	3
AJS_pop_internal	3
available_sitrep_templates	4
download_kobo	5
download_outbreak_linelist	5
download_outbreak_pop	6
download_shape_block	6
download_shape_quartier	7
download_survey	7
generic_download	8
shape_block_internal	8
shape_quartier_internal	9

Index	10
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age_pyramid	<i>Functions re-exported from apyramid</i>
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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

AJS_linelist_internal	<i>Example outbreak data for Hepatitis E virus or Acute Jaundice Syndrome (AJS)</i>
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Description

Data from a real outbreak of Hepatitis E virus (HEV) infection which occurred in the Chadian town of Am Timan between October 2016 and April 2017. The Chadian Ministry of Health (MoH) has approved the use of this data for training purposes. Please note, that some data has been adapted in order to best achieve training objectives. Also, the GPS coordinates included in the dataset do not correspond to real cases identified during this outbreak. They have been generated exclusively for training purposes.

Usage

```
data(AJS_linelist_internal)
```

Format

An object of class "cross"; see [read.cross](#).

Source

[Article](#)

References

None ([PLoS](#))

Examples

```
data(AJS_linelist_internal)
head(AJS_linelist_internal)
```

AJS_pop_internal	<i>Example population data for Hepatitis E virus or Acute Jaundice Syndrome (AJS)</i>
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Description

Population data from a real outbreak of Hepatitis E virus (HEV) infection which occurred in the Chadian town of Am Timan between October 2016 and April 2017. The Chadian Ministry of Health (MoH) has approved the use of this data for training purposes. Please note, that some data has been adapted in order to best achieve training objectives. Also, the GPS coordinates included in the dataset do not correspond to real cases identified during this outbreak. They have been generated exclusively for training purposes.

Usage

```
data(AJS_pop_internal)
```

Format

An object of class "cross"; see [read.cross](#).

Source

[Article](#)

References

None ([PLOS](#))

Examples

```
data(AJS_pop_internal)
head(AJS_pop_internal)
```

```
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 <code>dir</code>

Value

a vector of available templates in the sitrep package

Examples

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

download_kobo	<i>Access kobo data dictionary</i>
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Description

Access kobo data dictionary

Usage

```
download_kobo(path = rstudioapi::selectDirectory())
```

Arguments

path	Run with no arguments to pick a directory interactively. Path on your computer where the file(s) should be saved to <i>string</i>
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download_outbreak_linelist	<i>Access AJS outbreak linelist</i>
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Description

Access AJS outbreak linelist

Usage

```
download_outbreak_linelist(path = rstudioapi::selectDirectory())
```

Arguments

path	Run with no arguments to pick a directory interactively. Path on your computer where the file(s) should be saved to <i>string</i>
------	--

download_outbreak_pop *Access AJS outbreak population data*

Description

Access AJS outbreak population data

Usage

```
download_outbreak_pop(path = rstudioapi::selectDirectory())
```

Arguments

path	Run with no arguments to pick a directory interactively. Path on your computer where the file(s) should be saved to <i>string</i>
------	--

download_shape_block *Access Am Timan blocks shapefile*

Description

Access Am Timan blocks shapefile

Usage

```
download_shape_block(path = rstudioapi::selectDirectory())
```

Arguments

path	Run with no arguments to pick a directory interactively. Path on your computer where the file(s) should be saved to <i>string</i>
------	--

`download_shape_quartier`*Access Am Timan quartier shapefile*

Description

Access Am Timan quartier shapefile

Usage

```
download_shape_quartier(path = rstudioapi::selectDirectory())
```

Arguments

path	Run with no arguments to pick a directory interactively. Path on your computer where the file(s) should be saved to <i>string</i>
------	--

`download_survey`*Access fake mortality survey data*

Description

Access fake mortality survey data

Usage

```
download_survey(path = rstudioapi::selectDirectory())
```

Arguments

path	Run with no arguments to pick a directory interactively. Path on your computer where the file(s) should be saved to <i>string</i>
------	--

generic_download	<i>Internal function (not exported - i.e. not userfacing) to reduce code duplication</i>
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Description

Internal function (not exported - i.e. not userfacing) to reduce code duplication

Usage

```
generic_download(path = rstudioapi::selectDirectory(), dataset)
```

Arguments

path	Run with no arguments to pick a directory interactively. Path on your computer where the file(s) should be saved to <i>string</i>
dataset	The name of the file to save

shape_block_internal	<i>Quartier shapefile for example outbreak Hepatitis E virus or Acute Jaundice Syndrome (AJS)</i>
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Description

Shapefile for blocks (polygons) from a real outbreak of Hepatitis E virus (HEV) infection which occurred in the Chadian town of Am Timan between October 2016 and April 2017. The Chadian Ministry of Health (MoH) has approved the use of this data for training purposes. Please note, that some data has been adapted in order to best achieve training objectives. Also, the GPS coordinates included in the dataset do not correspond to real cases identified during this outbreak. They have been generated exclusively for training purposes.

Usage

```
data(shape_block_internal)
```

Format

An object of class "cross"; see [read.cross](#).

Source

[Article](#)

References

None ([PLoS](#))

Examples

```
data(shape_block_internal)
head(shape_block_internal)
```

```
shape_quartier_internal
```

Quartier shapefile for example outbreak Hepatitis E virus or Acute Jaundice Syndrome (AJS)

Description

Shapefile for quartier (polygons) from a real outbreak of Hepatitis E virus (HEV) infection which occurred in the Chadian town of Am Timan between October 2016 and April 2017. The Chadian Ministry of Health (MoH) has approved the use of this data for training purposes. Please note, that some data has been adapted in order to best achieve training objectives. Also, the GPS coordinates included in the dataset do not correspond to real cases identified during this outbreak. They have been generated exclusively for training purposes.

Usage

```
data(shape_quartier_internal)
```

Format

An object of class "cross"; see [read.cross](#).

Source

[Article](#)

References

None ([PLoS](#))

Examples

```
data(shape_quartier_internal)
head(shape_quartier_internal)
```

Index

* datasets

- age_pyramid, [2](#)
- AJS_linelist_internal, [3](#)
- AJS_pop_internal, [3](#)
- shape_block_internal, [8](#)
- shape_quartier_internal, [9](#)

- age_pyramid, [2](#)
- AJS_linelist_internal, [3](#)
- AJS_pop_internal, [3](#)
- apyramid::age_pyramid(), [2](#)
- available_sitrep_templates, [4](#)

- download_kobo, [5](#)
- download_outbreak_linelist, [5](#)
- download_outbreak_pop, [6](#)
- download_shape_block, [6](#)
- download_shape_quartier, [7](#)
- download_survey, [7](#)

- generic_download, [8](#)

- read.cross, [3](#), [4](#), [8](#), [9](#)

- shape_block_internal, [8](#)
- shape_quartier_internal, [9](#)