Package 'epidemos'

August 29, 2018

Title Load,

Version 0.0.0.9000

Description
    The epidemos shall package shall provide useful data and functions for epidemiological research.

Depends R (>= 3.4.1),
    tidyverse

License MIT

Encoding UTF-8

URL https://www.schliebs.github.io/epidemos

BugReports https://www.github.com/schliebs/epidemos

LazyData true

Imports stringr,
    lubridate,
    magrittr,
    readxl

RoxygenNote 6.0.1

Collate 'importFrom.R'
    'countrynames.R'
    'randomHelpers.R'
    'test_demonstration.R'
    'downloadHealthData.R'
    'unzipAidData.R'
    'cleanAidData.R'

Suggests knitr,
    rmarkdown

VignetteBuilder knitr

SystemRequirements GNU make

R topics documented:

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clean_aidData   *Clean Aid Data*

Description

Description

Usage

```
clean_aidData(df_list, dataset = c("China", "Core"), level = "donor-year")
```

Arguments

dataset	Character String denoting which dataset is to be cleaned (takes "Core" or "China". Takes vector c("Core","China") if datasets shall be merged)
level	Level (c("full","donor-year","donor-year-recipient","donor-year-recipient-type"))
df	a Data Frame containing the Raw Dataset or a list with China and Core Datasets

Value

A data frame containing the merged and cleaned data.

Examples

```
## Not run:
dfCHINA <-
aidR::downloadRawAidData(dataset = "China",
                         folder = "data/offline/rawdata") %>%
    aidR::prepAidData(filepath = .,
                      dataset = "China")

dfCORE <-
 aidR::downloadRawAidData(dataset = "AidDataCore",
                          folder = "data/offline/rawdata") %>%
    aidR::prepAidData(filepath = .,
    dataset = "AidDataCore")

 merged_ALL_CHINA <-
   aidR::clean_aidData(list(dfCORE,dfCHINA),
                       dataset = c("Core","China"),
                       level = "donor-year-recipient")

## End(Not run)
```

---

donorCountries *Dirichlet-sample of a multinomial election poll*

Description

Description

Usage

```
donorCountries()
```

Value

A character vector with subsaharan country names.

Warning

Do not operate heavy machinery within 8 hours of using this function.

Examples

```
subsahara()
```

---

downloadHealthData *Download Raw Dataset*

Description

Description

Usage

```
downloadHealthData(dataset = "ghdx", folder = "", overwrite = FALSE)
```

Arguments

dataset	The Dataset chosen for download. Options currently include "China","AidDataCore".
folder	A character string containing the name of a subfolder of the current working directory where the dataset shall be saved in.
overwrite	Logical T/F whether data shall be overwritten if existing already(Defaults to FALSE)
filename	A character string for the name of the file (without filetype ending).

Value

A character string of the file path and name of the downloaded raw data.

Warning

Do not operate heavy machinery within 8 hours of using this function.

Examples

```
## Not run:
downloadHealthData(dataset = "ghdx",
                   folder = "rawdata")

## End(Not run)
```

---

prepAidData   *Unzip and process Data*

Description

Description

Usage

```
prepAidData(filepath = "rawdata/WITS_trade.zip", dataset = "WITS")
```

Arguments

filepath	A character string of either a folder or zipfile (including suffix) including the data.
dataset	The Dataset chosen for download. Options currently include "AidDataCore","China", "worldbank", .

Value

A data frame with the output data (further cleaning to be added.)

Warning

Do not operate heavy machinery within 8 hours of using this function.

Examples

```
## Not run:
df <-
downloadRawAidData(dataset = "China") %>%
prepAidData(filepath = .,
           dataset = "China")
head(df)

df <-
 prepAidData(filepath = "AidDataChina.zip",
             dataset = "China")
head(df)

## End(Not run)
```

---

subsaharaCountries	*Dirichlet-sample of a multinomial election poll*

Description

Description

Usage

```
subsaharaCountries()
```

Value

A character vector with subsaharan country names.

Warning

Do not operate heavy machinery within 8 hours of using this function.

Examples

```
subsahara()
```

---

testLuca	*Dirichlet-sample of a multinomial election poll*

Description

Description

Description

Usage

```
testLuca(par1, par2)

testLuca(par1, par2)
```

Arguments

par1	parameter1
par2	parameter2
par1	parameter1
par2	parameter2

Value

A data frame containing n rows of blabla.

A data frame containing n rows of blabla.

Warning

Do not operate heavy machinery within 8 hours of using this function.

Do not operate heavy machinery within 8 hours of using this function.

Examples

```
x <- c(1,2,3)
mean(x)
x <- c(1,2,3)
mean(x)
```

---

unifyCountrynames   *Unify countrynames*

Description

Description

Usage

```
unifyCountrynames(inVec)
```

Arguments

inVec   A vector or character string of country name(s)

Value

A character vector containing the unified strings.

Warning

Do not operate heavy machinery within 8 hours of using this function.

Examples

```
x = c("Congo Kinshasa",
      "Congo, Republic of",
      "Congo Brazzaville",
      "Cote d`Ivoire",
      "Central African Rep.",
      "Cabo Verde",
      "Gambia, The")

 unifyCountrynames(x)
```

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