

Package ‘troopdata’

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Title Tools for Analyzing Cross-National Military Deployment and Basing Data

Version 0.1.3

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Description These functions generate data frames on troop deployments and military basing using U.S. Department of Defense data on overseas military deployments. This package provides functions for pulling country-year troop deployment and basing data. Subsequent versions will hopefully include cross-national data on deploying countries.

License GPL (>= 3)

Language en-US

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

URL <https://github.com/meflynn/troopdata>

BugReports <https://github.com/meflynn/troopdata/issues>

Depends R (>= 3.5.0)

Imports magrittr, dplyr, tibble, countrycode, tidyr, stringr, readstata13, rlang, haven

Suggests testthat (>= 3.0.0), spelling

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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troopdata-package	<i>Tools for Analyzing Cross-National Military Deployment and Basing Data</i>
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Description

Generate customized data frames containing U.S. military deployment data

Details

The troopdata package contains functions for generating customized data sets on U.S. military deployment data and U.S. overseas basing data. The data contain country identifiers that can be used to merge these data with other data to analyze trends in the United States' overseas military posture.

Author(s)

Michael E. Flynn <meflynn@ksu.edu>

References

<https://www.m-flynn.com/> <https://github.com/meflynn/troopdata>

basedata	<i>Vine's U.S. basing data</i>
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Description

basedata returns a data frame containing David Vine's US basing data.

Usage

basedata

Format

A data frame with country-base observations including the following variables:

countryname A character vector of country names.

ccode A numeric vector of Correlates of War country codes.

iso3c A character vector of ISO three character country codes.

basename Name of the facility.

lat The facility's latitude.

lon The facility's longitude.

base Binary indicator identifying the facility as a major base or not.

lilypad A binary indicator identifying the facility as a lilypad or not. Vine codes lilypads as less than 200 personnel or "other site" designation in Pentagon reports.

fundedsite A binary variable indicating whether or not the facility is a host-state base funded by the US.

Value

Returns the full data frame containing country observations of US military bases from the Cold War period through 2018.

Source

<https://dra.american.edu/islandora/object/auislandora%3A81234>

get_basedata

Function to retrieve customized U.S. basing data

Description

get_basedata() generates a customized data frame containing data obtained from David Vine's U.S. basing data.

Usage

```
get_basedata(host = NA, country_count = FALSE)
```

Arguments

host The Correlates of War (COW) numeric country code or ISO3C code for the host country or countries in the series

country_count Logical. Should the function return a country-level count of the total number of bases or the country-site data

Details

Our research team updated these data through 2018.

Value

get_basedata() returns a data frame containing information on U.S. military bases present within selected host countries. This can be customized to include country-base observations or country-count observations.

Author(s)

Michael E. Flynn

References

David Vine. 2015. Base Nation. Metropolitan Books. New York, NY.

Examples

```
## Not run:
library(tidyverse)
library(troopdata)

example <- get_basedata(host = NA)

head(example)

## End(Not run)
```

get_troopdata

Function to retrieve customized U.S. troop deployment data

Description

get_troopdata() generates a customized data frame containing country-year observations of U.S. military deployments overseas.

Usage

```
get_troopdata(host = NA, branch = FALSE, startyear, endyear)
```

Arguments

host	The Correlates of War (COW) numeric country code or ISO3C code for the host country or countries in the series
branch	Logical. Should the function return a single vector containing total troop values or multiple vectors containing total values and values for individual branches? Default is FALSE.
startyear	The first year for the series
endyear	The last year for the series

Value

`get_troopdata()` returns a data frame containing country-year observations for U.S. troop deployments.

Author(s)

Michael E. Flynn

References

Tim Kane. Global U.S. troop deployment, 1950-2003. Technical Report. Heritage Foundation, Washington, D.C.

Michael A. Allen, Michael E. Flynn, and Carla Martinez Machain. 2021. "Global U.S. military deployment data: 1950-2020." Working Paper.

Examples

```
## Not run:
library(tidyverse)
library(troopdata)

example <- get_troopdata(host = NA, branch = TRUE, startyear = 1980, endyear = 2015)

head(example)

## End(Not run)
```

troopdata

U.S. overseas troop deployment data

Description

troopdata returns a data frame containing information on US military deployments.

Usage

```
troopdata
```

Format

A data frame with country year observations including the following variables:

countryname A character vector of country names.

cocode A numeric vector of Correlates of War country codes.

`iso3c` A character vector of ISO three character country codes.
`year` The year of the observation.
`troops` The total number of US military personnel deployed to the host country.
`army` Total number of Army personnel deployed to the host country.
`navy` Total number of Navy personnel deployed to the host country.
`air_force` Total number of Air Force personnel deployed to the host country.
`marine_corps` Total number of Marine Corps personnel deployed to the host country.

Value

Returns the full data frame containing country-year observations of US military deployments to overseas locations (countries and territories) from 1950 through 2020.

Source

<https://www.heritage.org/defense/report/global-us-troop-deployment-1950-2005>

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