Package 'igoR'

January 19, 2021

Title Intergovernmental Organizations Database

Version 0.0.0.9000

Description Tools to extract information from the
Intergovernmental Organizations ('IGO') Database , version 3, provided
by the Correlates of War Project <https://correlatesofwar.org/>. See
also Pevehouse, J. C. et al. (2020), <doi:10.1177/0022343319881175>.
Version 3 includes information from 1815 to 2014.

License GPL (>= 3)

BugReports https://github.com/dieghernan/igoR/issues

URL https://dieghernan.github.io/igoR/, https://github.com/dieghernan/igoR

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.1

Depends R (>= 2.10)

Suggests countrycode (>= 1.1.0),
dplyr (>= 1.0.2),
tinytest,
ggplot2,
knitr,
rmarkdown

VignetteBuilder knitr

R topics documented:

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igoR-package   *igoR package*

Description

Tools to extract information from the Intergovernmental Organizations Database ('IGO'), version 3, provided by the Correlates of War Project https://correlatesofwar.org/.

Version 3 includes information from 1815 to 2014.

Details

Package:	igoR
Type:	Package
Version:	See sessionInfo() or DESCRIPTION file
Date:	2021
License:	GPL-3
LazyLoad:	yes

Author(s)

dieghernan, https://github.com/dieghernan/

Source

https://correlatesofwar.org/data-sets/IGOs

References

See citation("igoR") for the **R** package.

Pevehouse, Jon CW, Timothy Nordstrom, Roseanne W McManus, and Anne Spencer Jamison. "Tracking Organizations in the World: The Correlates of War IGO Version 3.0 Datasets." *Journal of Peace Research* 57, no. 3 (May 2020): 492-503. doi: 10.1177/0022343319881175.

See Also

Useful links:

- https://dieghernan.github.io/igoR/
- https://github.com/dieghernan/igoR
- Report bugs at https://github.com/dieghernan/igoR/issues

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igo_members   *Extract Members of an IGO*

Description

Extract all the countries belonging to an IGO on a specific date.

Usage

```
igo_members(ioname, year = NULL, status = "Full Membership")
```

Arguments

ioname	Any valid ioname of an IGO as specified on igo_year_format3. It could be also a vector of IGOs.
year	Year to be assessed, an integer or an array of year. If NULL the latest year available of the IGO would be extracted.
status	Character or vector with the membership status to be extracted. See Details on state_year_format3.

Value

A dataframe.

See Also

igo_year_format3, igo_search, state_year_format3.

Examples

```
# Composition on two different dates
igo_members("EU", year = 1993)
igo_members("EU")
igo_members("NAFTA", year = c(1995:1998))

# Extract different status
igo_members("ACCT", status = c("Associate Membership", "Observer"))

# States no members of the UN
igo_members("UN", status = "No Membership")

# Vectorized

igo_members(c("NAFTA","EU"), year = 1993)

# Use countrycodes package to get additional codes
if (requireNamespace("countrycode", quietly = TRUE)) {
  library(countrycode)
```

```
  EU <- igo_members("EU")
  EU$iso3c <- countrycode(EU$ccode, origin = "cown",
                         destination = "iso3c")
  EU$continent <- countrycode(EU$ccode, origin = "cown",
                             destination = "continent")

  head(EU)
}
```

---

igo_search   *Search and Find an IGO*

Description

Search any IGO by name or string pattern.

Usage

```
igo_search(pattern = NULL, exact = FALSE)
```

Arguments

pattern	regex pattern. If NULL the function returns a dataset with all the IGOs on `igo_year_format3`. Integer values are accepted.
exact	Logical. When TRUE only exact matches are returned.

Details

The information of each IGO is retrieved based on the last year available on `igo_year_format3`.

An additional column label is provided. This column is a clean version of longorgname

Value

A dataframe.

See Also

`igo_year_format3`

Examples

```
# All values
all <- igo_search()

nrow(all)
colnames(all)

# Search by pattern
igo_search("EU")[,1:3]
```

```
igo_search("EU", exact = TRUE)[, 1:3]

# With integers
igo_search(10)[, 1:3]

igo_search(10, exact = TRUE)[, 1:3]

# Several patterns (regex style)
igo_search("NAFTA|UN|EU")[,1:3]

# Several patterns Exact (regex style)
igo_search("^NAFTA$|^UN$|^EU$")[,1:3]
```

---

igo_state_membership   *Extract Memberships of a State*

Description

Extract all the memberships of a state on a specific date.

Usage

```
igo_state_membership(state, year = NULL, status = "Full Membership")
```

Arguments

state	Any valid name or code of a state as specified on states2016. It could be also a vector of states
year	Year to be assessed, an integer or an array of year. If NULL the latest year available of the state would be extracted.
status	Character or vector with the membership status to be extracted. See Details on igo_year_format3.

Value

A dataframe.

See Also

igo_year_format3, states2016.

Examples

```
# Memberships on two different dates
igo_state_membership("Spain", year = 1850)
igo_state_membership("Spain", year = 1870)
igo_state_membership("Spain", year = 1880:1882)

# Last year
igo_state_membership("ZAN")[, 1:7]

# Use codes to get countries
igo_state_membership("2", year = 1865)

# Extract different status

igo_state_membership("kosovo",
                     status = c("Associate Membership",
                     "Observer",
                     "Full Membership"))

# Vectorized
igo_state_membership(c("usa", "spain"),
                     year = 1870:1871)

# Use countrycodes package to get additional codes
if (requireNamespace("countrycode", quietly = TRUE)) {
  library(countrycode)
  IT <- igo_state_membership("Italy", year = 1880)
  IT$iso3c <- countrycode(IT$ccode, origin = "cown",
                          destination = "iso3c")
  head(IT)
}
```

---

igo_year_format3   *Intergovernmental Organizations (IGO) by year*

Description

Data on IGOs from 1815-2014, at the IGO-year level. Contains one record per IGO-year (with years listed at 5 year intervals through 1965, and annually thereafter).

Format

data frame with 19335 rows. Relevant fields:

- **ioname**: Short abbreviation of the IGO name.
- **orgname**: Full IGO name.
- **year**: Calendar Year.
- **afghanistan...zimbabwe**: status of that state in the IGO:

Category	Numerical Value
No Membership	0
Full Membership	1
Associate Membership	2
Observer	3
Missing data	-9
State Not System Member	-1

- **sdate**: start date (year) that the IGO started.

- **deaddate**: dead date (year) that the IGO dead.

- **longorgname**: a longer version of the IGOs name (including previous names)

- **ionum**: IGO id number in v2.1 and v3.0 of the data.

- **version**: COW version number.

See **Codebook Version 3 IGO Data** for full reference.

Note

Raw data used internally by **igoR**

Source

Intergovernmental Organizations (v3), The Correlates of War Project (IGO Data Stata Files)

References

Pevehouse, Jon CW, Timothy Nordstrom, Roseanne W McManus, and Anne Spencer Jamison. "Tracking Organizations in the World: The Correlates of War IGO Version 3.0 Datasets." *Journal of Peace Research* 57, no. 3 (May 2020): 492-503. doi: 10.1177/0022343319881175.

See Also

state_year_format3

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states2016 *State System Membership (v2016)*

Description

The list of states with COW abbreviations and ID numbers, plus the field state from state_year_format3.

Format

data frame with 243 rows:

- **ccode**: COW country number.
- **stateabb**: COW state abbreviation (3 characters).
- **statenme**: COW state name.
- **styear...endday**: Fields to identify the begining and the end of each tenure.
- **version**: Data file version number.
- **state**: Abbreviated state name as appear in `state_year_format3`.

Details

This data set contains the list of states in the international system as updated and distributed by the Correlates of War Project.

This data set contains the list of states in the international system as updated and distributed by the Correlates of War Project. These data sets identify states, their standard Correlates of War "country code" or state number (used throughout the Correlates of War project data sets), state abbreviations, and dates of membership as states and major powers in the international system.

The Correlates of War project includes a state in the international system from 1816-2016 for the following criteria:

Prior to 1920 the entity must have had a population greater than 500,000 and have had diplomatic missions at or above the rank of charge d'affaires with Britain and France.

After 1920 the entity must be a member of the League of Nations or the United Nations, or have a population greater than 500,000 and receive diplomatic missions from two major powers.

Note

state variable added to original data to help comparison across datasets on this package.

Source

State System Membership (v2016), The Correlates of War Project.

References

Correlates of War Project. 2017 "State System Membership List, v2016." Online, http://correlatesofwar. org.

See Also

state_year_format3, igo_year_format3.

state_year_format3   *Country membership to IGO by year*

Description

Data on IGOs from 1815-2014, at the country-year level. Contains one record per country-year (with years listed at 5 year intervals through 1965, and annually thereafter).

Format

data frame with 15557 rows. Relevant fields:

- **ccode**: COW country number, see `states2016`.
- **year**: Calendar Year.
- **state**: Abbreviated state name, identical to variable names in `igo_year_format3`
- **aaaid...wassen**: IGO variables containing information on state membership status:

Category	Numerical Value
No Membership	0
Full Membership	1
Associate Membership	2
Observer	3
Missing data	-9
IGO Not In Existence	-1

See **Codebook Version 3 IGO Data**

Note

Raw data used internally by **igoR**

Source

Intergovernmental Organizations (v3), The Correlates of War Project (IGO Data Stata Files)

References

Pevehouse, Jon CW, Timothy Nordstrom, Roseanne W McManus, and Anne Spencer Jamison. "Tracking Organizations in the World: The Correlates of War IGO Version 3.0 Datasets." *Journal of Peace Research* 57, no. 3 (May 2020): 492-503. doi: 10.1177/0022343319881175.

See Also

`igo_year_format3`, `states2016`. See also `countrycode` to convert between different country code schemes.

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