Package ‘countrycode’

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License     GPL-3
Title       Convert country names and country codes
LazyData    yes
Type        Package
LazyLoad    yes
Author      Vincent Arel-Bundock <varel@umich.edu>
Description Standardize country names, convert them into one of seven
coding schemes, convert between coding schemes, and assign region descriptors.
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Collate     ’countrycode.R’ ’countrycode-package.R’ ’countrycode_data.R’
NeedsCompilation no
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Description

Convert country codes or country names

Details

The countrycode function can convert to and from 7 different country coding schemes. It uses regular expressions to convert long country names (e.g. Sri Lanka) into any of those coding schemes, or into standardized country names (official short English). It can create variables with the name of the continent and/or region to which each country belongs.

Author(s)

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References

http://www.umich.edu/~varel https://github.com/vincentarelbundock/countrycode

countrycode-package

Convert country codes or country names

description

Convert country codes or country names

countrycode

Convert country codes

Description

Converts long country names into one of many different coding schemes. Translates from one scheme to another. Converts country name or coding scheme to the official short English country name. Creates a new variable with the name of the continent or region to which each country belongs.

Usage

countrycode(sourcevar, origin, destination, warn = FALSE)

Arguments

sourcevar Vector which contains the codes or country names to be converted
origin Coding scheme of origin (name enclosed in quotes "")
destination Coding scheme of destination (name enclosed in quotes "")
warn Prints unique elements from sourcevar for which no match was found

Usage

countrycode(sourcevar, origin, destination, warn = FALSE)

Arguments

sourcevar Vector which contains the codes or country names to be converted
origin Coding scheme of origin (name enclosed in quotes "")
destination Coding scheme of destination (name enclosed in quotes "")
warn Prints unique elements from sourcevar for which no match was found
countrycode_data

Note


The following strings can be used as arguments for origin or destination: "cowc", "cown", "iso3c", "iso3n", "iso2c", "imf", "fips104", "fao", "un", "wb", "country.name". The following strings can be used as arguments for destination only: "continent", "region"

Examples

codes.of.origin <- countrycode_data$cowc # Vector of values to be converted
countrycode(codes.of.origin, "cowc", "iso3c")

---

countrycode_data

A data frame with 262 observations on the following 14 variables. Used internally by the countrycode() function.

Description

A data frame with 262 observations on the following 14 variables.

Format

A data frame with 260 rows and 11 columns

Details

- country.name: Long country name
- cowc: Correlates of War character
- cown: Correlates of War numeric
- fao: Food and Agriculture Organization of the United Nations numerical code
- fips104: FIPS 10-4 (Federal Information Processing Standard)
- imf: International Monetary Fund
- iso2c: ISO-2 character
- iso3c: ISO-3 character
- iso2n: ISO-2 numeric
- iso3n: ISO-3 numeric
- un: United Nations numerical code
- wb: World Bank (very similar but not identical to iso3c)
- regex: Regular expression used to convert long names to code
- region: Regions as defined in the World Bank Development Indicators
- continent: Continent as defined in the World Bank Development Indicators
Note

To produce consistent conversion, some entries had to be removed from the conversion data frame. For example, the Correlates of War include 4 different codes to represent Western Germany. "countrycode" uses only one of them (CoW code 260 for all years). Similar choices were made in the cases of Korea, Yemen, Congo and Vietnam. Also, Namibia’s iso2c code ("NA") can be understood as a missing observation (NA) by R.

Capitalized country names refer to the official short English names, as defined by the ISO organization. ISO does not publish official short English names for countries whose name is not capitalized in the country.name vector. Continent and region information was taken from the UN website.

This is a (possibly incomplete) list of countries and codes that were dropped:


countrycode_test (countrycode tests)

Description

Runs a series of tests. Returns TRUE if all tests passed. Prints test description when some tests fail.

Usage

    countrycode_test()
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