

Package ‘countrycode’

February 6, 2017

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Title Convert Country Names and Country Codes

LazyData yes

Type Package

LazyLoad yes

Encoding UTF-8

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Description Standardize country names, convert them into one of eleven coding schemes, convert between coding schemes, and assign region descriptors.

Version 0.19

URL <https://github.com/vincentarelbundock/countrycode>

Date 2017-02-06

Suggests testthat (>= 0.5)

RoxygenNote 5.0.1

NeedsCompilation no

Repository CRAN

Date/Publication 2017-02-06 21:36:27

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countrycode-package *Convert Country Codes or Country Names*

Description

Convert country codes or country names

Details

The countrycode function can convert to and from several different country coding schemes. It uses regular expressions to convert country names (e.g. Sri Lanka) into any of those coding schemes, or into standardized country names in several languages. It can create variables with the name of the continent and/or several regional groupings to which each country belongs.

Type `?countrycode_data` to get a list of available origin and destination codes.

Author(s)

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References

<http://arelbundock.com> <https://github.com/vincentarelbundock/countrycode>

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 = TRUE, custom_dict = NULL,  
            custom_match = NULL, origin_regex = FALSE)
```

Arguments

sourcevar	Vector which contains the codes or country names to be converted (character or factor)
origin	Coding scheme of origin (string enclosed in quotes ""): "cowc", "cown", "eurostat", "fao", "fips105", "imf", "ioc", "iso2c", "iso3c", "iso3n", "p4_ccode", "p4_scode", "un", "wb", "wb_api2c", "wb_api3c", "wvs", "country.name", "country.name.de".
destination	Coding scheme of destination (string enclosed in quotes ""): "ar5", "continent", "cowc", "cown", "eurostat", "eu28", "eurocontrol_pru", "eurocontrol_statfor", "fao", "fips105", "icao", "icao_region", "imf", "ioc", "iso2c", "iso3c", "iso3n", "p4_ccode", "p4_scode", "region", "un", "wb", "wb_api2c", "wb_api3c", "wvs", "country.name", "country.name.ar", "country.name.de", "country.name.en", "country.name.es", "country.name.fr", "country.name.ru", "country.name.zh".
warn	Prints unique elements from sourcevar for which no match was found
custom_dict	A data frame which supplies custom country codes. Variables correspond to country codes, observations must refer to unique countries. When countrycode uses a user-supplied dictionary, no sanity checks are conducted. The data frame format must resemble countrycode::countrycode_data.
custom_match	A named vector which supplies custom origin and destination matches that will supercede any matching default result. The name of each element will be used as the origin code, and the value of each element will be used as the destination code.
origin_regex	Logical: When using a custom dictionary, if TRUE then the origin codes will be matched as regex, if FALSE they will be matched exactly. When using the default dictionary (dictionary = NULL), origin_regex will be ignored.

Note

For a complete description of available country codes and languages, please read the documentation for the countrycode_data conversion dictionary. Type: ?countrycode_data.

Examples

```
# ISO to Correlates of War
countrycode(c('USA', 'DZA'), 'iso3c', 'cown')
# English to ISO
countrycode('Albania', 'country.name', 'iso3c')
# German to French
countrycode('Albanien', 'country.name.de', 'country.name.fr')
```

countrycode_data

Country Code Translation Data Frame

Description

A data frame used internally by the countrycode() function.

Usage

countrycode_data

Format

A data frame with 260 rows and 17 columns

Details

- ar5: IPCC's regional mapping used both in the Fifth Assessment Report (AR5) and for the Reference Concentration Pathways (RCP)
- continent: Continent as defined in the World Bank Development Indicators
- cowc: Correlates of War character
- cown: Correlates of War numeric
- eurocontrol_pru: European Organisation for the Safety of Air Navigation
- eurocontrol_statfor: European Organisation for the Safety of Air Navigation
- eurostat: Eurostat
- eu28: Member states of the European Union (as of December 2015), without special territories
- fao: Food and Agriculture Organization of the United Nations numerical code
- fips104: FIPS 10-4 (Federal Information Processing Standard)
- icao: International Civil Aviation Organization
- icao_region: International Civil Aviation Organization (Region)
- imf: International Monetary Fund
- ioc: International Olympic Committee
- iso2c: ISO-2 character
- iso3c: ISO-3 character
- iso2n: ISO-2 numeric
- iso3n: ISO-3 numeric
- p4_ccode: Polity IV numeric country code
- p4_scode: Polity IV alpha country code
- region: Regions as defined in the World Bank Development Indicators
- un: United Nations numerical code
- wb: World Bank (very similar but not identical to iso3c)
- wb_api2c: World Bank API 2 character code
- wb_api3c: World Bank API 3 character code
- wvs: World Values Survey numeric code
- country.name: country name (English)
- country.name.en.regex: Regular expression used to convert English names to code
- country.name.ar: country name (Arabic)

- country.name.de: country name (German)
- country.name.de.regex: Regular expression used to convert German names to code
- country.name.es: country name (Spanish)
- country.name.fr: country name (French)
- country.name.ru: country name (Russian)
- country.name.zh: country name (Chinese)

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 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:

KOREA, REPUBLIC OF: cown 731 730, cowc PRK KOR YEMEN: cown 680 678, cowc YAR YPR GERMANY: cown 267 260 245, cowc BAV GFR BAD CONGO: cown 490, cowc 484 VIET NAM: cown 816, cowc DRV

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