

Package: rworldxtra (via r-universe)

September 12, 2024

Type Package

Title Country boundaries at high resolution.

Version 1.01

Date 2012-10-3

Author Andy South

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Description High resolution vector country boundaries derived from Natural Earth data, can be plotted in rworldmap.

License GPL (>= 2)

Depends R (>= 2.10.0), sp

Suggests rworldmap

Repository <https://andysouth.r-universe.dev>

RemoteUrl <https://github.com/andysouth/rworldxtra>

RemoteRef HEAD

RemoteSha a94ab8a3b5dfa6e41a71eb6b170ed8f3e3d7f3b3

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rworldxtra-package *For mapping global data.*

Description

Enables mapping of country level and gridded user datasets by facilitating joining to world maps and visualisation options.

Details

Package: rworldxtra
Type: Package
Version: 1.01
Date: 2012-10-1
License: GPL (>= 2)

Version 1.01 newly uses updated Natural Earth Data for country boundaries.

Author(s)

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References

Derived from : <http://www.naturalearthdata.com/downloads/10m-cultural-vectors/>

Examples

```
data(countriesHigh)
```

countriesHigh *a high resolution world map, a vector map of 253 country boundaries*

Description

A 'SpatialPolygonsDataFrame' [package "sp"] object containing country boundaries derived from Natural Earth data. Polygons are attributed with country codes.

Usage

```
data(countriesHigh)
```

Format

The format is: Formal class 'SpatialPolygonsDataFrame' [package "sp"] with 5 slots

Details

Derived from version 1.4.0 of Natural Earth data 1:10 m data.

The different country boundaries in *rworldmap* are processed from Natural Earth Data as follows :

All :

- ~ rename any non-ASCII country names that cause R trouble
- ~ rename Curacao which is particularly troublesome !
- ~ check polygon geometries using `checkPolygonsHoles`
- ~ set projections, e.g. `proj4string(countriesCoarse) <- CRS("+proj=longlat +ellps=WGS84 +datum=WGS84 +no_defs")`
- ~ set polygon IDs to country names (from ADMIN field)
- ~ copy ISO_A3 to ISO3
- ~ replace missing ISO3 codes (6 in this version) with ADM0_A3
- ~ check for duplicate ISO3 codes (2 in this version)
- ~ set ISO3 for Gaza to Gaza and 'Ashmore and Cartier Islands' to Ashm
- ~ replace POP_EST of -99 with NA
- ~ join on *countryRegions* data

countriesCoarseLessIslands : *ne_110*

countriesCoarse : *ne_110* plus extra countries from *ne_50* plus Tuvalu from *ne_10*

countriesLow : *ne_50* plus Tuvalu from *ne_10*

countriesHigh (in package *rworldxtra*) : *ne_10*

Source

<http://www.naturalearthdata.com/downloads/10m-cultural-vectors/>

Examples

```
data(countriesHigh)
```

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