

Package ‘rnatuarearthdata’

May 9, 2026

Title World Vector Map Data from Natural Earth Used in 'rnatuarearth'

Version 1.0.0

Description Vector map data from <<https://www.natuarearthdata.com/>>. Access functions are provided in the accompanying package 'rnatuarearth'.

License CC0

LazyData true

LazyDataCompression xz

Encoding UTF-8

URL <https://docs.ropensci.org/rnatuarearthdata/>,
<https://github.com/ropensci/rnatuarearthdata>

BugReports <https://github.com/ropensci/rnatuarearthdata/issues>

Depends R (>= 3.1.1)

Suggests knitr (>= 1.12.3), testthat (>= 0.9.1)

RoxygenNote 7.3.1

NeedsCompilation no

Author Andy South [aut] (ORCID: <<https://orcid.org/0000-0003-4051-6135>>),
Schramm Michael [aut],
Philippe Massicotte [aut, cre] (ORCID:
<<https://orcid.org/0000-0002-5919-4116>>)

Maintainer Philippe Massicotte <pmassicotte@hotmail.com>

Repository CRAN

Date/Publication 2024-02-09 16:50:02 UTC

Contents

coastlines	2
countries	2
map_units	3
sovereignty	4
states	4
tiny_countries	5

Index**6**

coastlines	<i>world coastlines from Natural Earth</i>
------------	--

Description

coastline lines at scales 1:110m (small), 1:50m (medium). 1:10m (large) are in the package `rnaturalearthhires`.

Usage

```
coastline110
```

```
coastline50
```

Format

An object of class `'sf'`

An object of class `sf` (inherits from `data.frame`) with 134 rows and 4 columns.

An object of class `sf` (inherits from `data.frame`) with 1428 rows and 4 columns.

Source

https://www.naturalearthdata.com/http://www.naturalearthdata.com/download/110m/physical/ne_110m_coastline.zip

https://www.naturalearthdata.com/http://www.naturalearthdata.com/download/50m/physical/ne_50m_coastline.zip

countries	<i>world country polygons from Natural Earth</i>
-----------	--

Description

at scales 1:110m (small) and 1:50m (medium). 1:10m (large) are in the package `rnaturalearthhires`.

Usage

```
countries110
```

```
countries50
```

Format

An object of class `'sf'`

An object of class `sf` (inherits from `data.frame`) with 177 rows and 169 columns.

An object of class `sf` (inherits from `data.frame`) with 242 rows and 169 columns.

Slots

data A data frame with country attributes

Source

https://www.naturalearthdata.com/http://www.naturalearthdata.com/download/110m/cultural/ne_110m_admin_0_countries.zip

https://www.naturalearthdata.com/http://www.naturalearthdata.com/download/50m/cultural/ne_50m_admin_0_countries.zip

map_units

world map_unit polygons from Natural Earth

Description

map_unit polygons at scales 1:110m (small), 1:50m (medium). 1:10m (large) are in the package `rnaturalearthhires`. There are more map_units than countries e.g. United Kingdom is split into England, Scotland, Wales and Northern Ireland.

Usage

```
map_units110
```

```
map_units50
```

Format

An object of class 'sf'

An object of class sf (inherits from data.frame) with 183 rows and 169 columns.

An object of class sf (inherits from data.frame) with 265 rows and 169 columns.

Slots

data A data frame with attributes

Source

https://www.naturalearthdata.com/http://www.naturalearthdata.com/download/110m/cultural/ne_110m_admin_0_map_units.zip

https://www.naturalearthdata.com/http://www.naturalearthdata.com/download/50m/cultural/ne_50m_admin_0_map_units.zip

sovereignty	<i>world sovereignty polygons from Natural Earth</i>
-------------	--

Description

sovereignty polygons at scales 1:110m (small), 1:50m (medium). 1:10m (large) are in the package `rnaturalearth`. There are fewer sovereign states than countries e.g. the Falkland Islands are included with the United Kingdom.

Usage

```
sovereignty110
```

```
sovereignty50
```

Format

An object of class 'sf'

An object of class sf (inherits from data.frame) with 171 rows and 169 columns.

An object of class sf (inherits from data.frame) with 201 rows and 169 columns.

Slots

`data` A data frame with attributes

Source

https://www.naturalearthdata.com/http://www.naturalearthdata.com/download/110m/cultural/ne_110m_admin_0_sovereignty.zip

https://www.naturalearthdata.com/http://www.naturalearthdata.com/download/50m/cultural/ne_50m_admin_0_sovereignty.zip

states	<i>state (admin level 1) polygons from Natural Earth</i>
--------	--

Description

For Australia, Brazil, Canada and USA, at 1:50m (medium) resolution. The package `rnaturalearth` has all world countries at 1:10m (high) resolution.

Usage

```
states50
```

Format

An object of class 'sf'

An object of class sf (inherits from data.frame) with 294 rows and 122 columns.

Slots

data A data frame with attributes

Source

https://www.naturalearthdata.com/http://www.naturalearthdata.com/download/50m/cultural/ne_50m_admin_1_states_provinces.zip

tiny_countries

tiny countries points from Natural Earth

Description

small country points at scales 1:110m (small), 1:50m (medium).

Usage

tiny_countries110

tiny_countries50

Format

An object of class 'sf'

An object of class sf (inherits from data.frame) with 37 rows and 171 columns.

An object of class sf (inherits from data.frame) with 76 rows and 171 columns.

Source

https://www.naturalearthdata.com/http://www.naturalearthdata.com/download/110m/cultural/ne_110m_admin_0_tiny_countries.zip

https://www.naturalearthdata.com/http://www.naturalearthdata.com/download/50m/cultural/ne_50m_admin_0_tiny_countries.zip

Index

* datasets

- coastlines, 2
- countries, 2
- map_units, 3
- sovereignty, 4
- states, 4
- tiny_countries, 5

- coastline110 (coastlines), 2
- coastline50 (coastlines), 2
- coastlines, 2
- coastlines110 (coastlines), 2
- coastlines50 (coastlines), 2
- countries, 2
- countries110 (countries), 2
- countries50 (countries), 2

- map_units, 3
- map_units110 (map_units), 3
- map_units50 (map_units), 3

- sovereignty, 4
- sovereignty110 (sovereignty), 4
- sovereignty50 (sovereignty), 4
- states, 4
- states50 (states), 4

- tiny_countries, 5
- tiny_countries110 (tiny_countries), 5
- tiny_countries50 (tiny_countries), 5