Package 'infoelectoral'

March 11, 2024

Type Package

Title Download Spanish Election Results

Version 1.0.0

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Description Download official election results for Spain at polling station, municipality and province level from the Ministry of Interior (<https://infoelectoral.interior.gob.es/es/elecciones-celebradas/area-de-descargas/>), format them and import them to the R environment.

Depends R (>= 3.5.0)

License GPL-2

URL <https://github.com/rOpenSpain/infoelectoral>

Encoding UTF-8

LazyData true

Imports dplyr (>= 1.0.0), stringr (>= 1.0.0)

Suggests mapSpain, tmap, tidyr, preferably, knitr, testthat (>= 3.0.0)

RoxygenNote 7.2.3

VignetteBuilder knitr

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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R topics documented:

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candidatos   *Download candidate data*

Description

'candidatos()' downloads, formats and imports to the environment the data of the candidates from the electoral lists of the selected elections.

Usage

```
candidatos(tipo_eleccion, anno, mes, nivel)
```

Arguments

tipo_eleccion	The type of choice you want to download. The accepted values are "congreso", "senado", "europeas" o "municipales".
anno	The year of the election in YYYY format.
mes	The month of the election in MM format.
nivel	The administrative level for which the data is wanted ("mesa" for polling stations or "municipio" for municipalities). Only necessary when tipo_eleccion = "senado"

Value

data.frame with the candidates data. If tipo_eleccion = "senado" a column called 'votos' is included with the votes recieved by each candidate. If other type of election is selected this column is not included since the votes are not received by the specific candidates but by the closed list of the party.

Examples

```
data <- candidatos(tipo_eleccion = "senado", anno = "2004",
                   mes = "03", nivel = "municipio")
str(data)
```

| codigos_ccaa | *Administrative codes for spanish autonomous communities.* |

Description

This dataset contains the codes given to the autonomus communities by the Ministry of Interior and the ones given by the National Institute of Statistics with their official names.

Usage

```
codigos_ccaa
```

Format

A dataset with 19 rows and 3 columns:

codigo_ccaa Code given to the autonomous communities by the Ministry of Interior (not the same as the National Institute of Statistics codes)

codigo_ccaa_ine Code given to the autonomous communities by the National Institute of Statistics

provincia Official name of the provinces

Source

<https://infoelectoral.interior.gob.es/opencms/es/elecciones-celebradas/area-de-descargas/>

| codigos_municipios | *Administrative codes for spanish municipalities.* |

Description

This dataset contains the INE codes of the municipalities of Spain with their most recent names (eg: Cabrera d'Igualada appears as Cabrera d'Anoia). For the municipalities that have been merged at some point, their codes are kept separately along with that of the new municipality created (eg: it contains the municipality Oza-Cesuras but also that of Cesuras and Oza dos Ríos separately).

Usage

```
codigos_municipios
```

Format

A dataset with more than 8.000 rows and 3 columns:

codigo_provincia Code given to the provinces by the National Institute of Statistics

codigo_municipio Code given to the municipalities by the National Institute of Statistics

municipio Most recent official name of the municipality

Source

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codigos_partidos	*Recoded party names*

Description

This dataset contains a list of recoded electoral party or coalition names with their correspondent national codes. For example: 'PSOE' when the original name is 'PSA-PSOE', 'PSOE-PROGR.' or 'PSOE-A'. This recodification helps the longitudinal analysis of the electoral results, avoiding the many variations in the party and coalition names.

Usage

    codigos_partidos

Format

A dataset with the names of the electoral party or coalition

anno Year of the election

mes Month of the election

codigo_partido_nacional The national accumulation code for the electoral party or coalition

partido The recoded name for the electoral party or coalition.

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codigos_provincias	*Administrative codes for spanish provinces.*

Description

This dataset contains the National Institute of Statistics administrative codes for spanish provinces with their official names.

Usage

    codigos_provincias

Format

A dataset with 52 rows and 5 columns:

codigo_ccaa Code given to the autonomous communities by the Ministry of Interior (not the same as the National Institute of Statistics codes)

codigo_ccaa_ine Code given to the autonomous communities by the National Institute of Statistics

ccaa Official name of the autonomous communities

codigo_provincia Code given to the provinces by the National Institute of Statistics

provincia Official name of the provinces

Source

https://www.ine.es/daco/daco42/codmun/cod_provincia.htm

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fechas_elecciones *Election dates*

Description

This dataset contains the dates of the local, general and european elections in Spain from 1977 to 2023.

Usage

fechas_elecciones

Format

A dataset with the dates of the elections

tipo_eleccion Election level (local, general or european parliament)

anno Year of the election

mes Month of the election

day Day of the election

Source

https://www.juntaelectoralcentral.es/cs/jec/elecciones

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mesas   *Download data at the polling station level*

Description

'mesas()' downloads, formats and imports to the environment the electoral results data of the selected election at the polling station level.

Usage

```
mesas(tipo_eleccion, anno, mes)
```

Arguments

tipo_eleccion   The type of choice you want to download. The accepted values are "congreso", "senado", "europeas" o "municipales".

anno   The year of the election in YYYY format.

mes   The month of the election in MM format.

Value

data.frame with the electoral results data at the polling station level.

Examples

```
data <- mesas(tipo_eleccion = "congreso", anno = "2023", mes = "07")
str(data)
```

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municipios   *Download data at the municipality level*

Description

'municipios()' downloads, formats and imports to the environment the electoral results data of the selected election at the municipality level.

Usage

```
municipios(tipo_eleccion, anno, mes, distritos = FALSE)
```

Arguments

tipo_eleccion	The type of choice you want to download. The accepted values are "congreso", "senado", "europeas" o "municipales".
anno	The year of the election in YYYY format.
mes	The month of the election in MM format.
distritos	Should district level results be returned when available? The default is FALSE. Please be aware when summarizing the data that districts = TRUE will return separate rows for the total municipal level and for each of the districts.

Value

Dataframe with the electoral results data at the municipality level.

Examples

```
data <- municipios(tipo_eleccion = "congreso", anno = "2019", mes = "11")
str(data)
```

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provincias	*Download data at the electoral constituency level (province or island)*

Description

'provincias()' downloads, formats and imports to the environment the electoral results data of the selected election at electoral constituency level (province or island).

Usage

```
provincias(tipo_eleccion, anno, mes)
```

Arguments

tipo_eleccion	The type of choice you want to download. The accepted values are "congreso", "senado", "europeas" o "municipales".
anno	The year of the election in YYYY format.
mes	The month of the election in MM format.

Value

data.frame with the electoral results data at the polling station level.

Examples

```
data <- provincias(tipo_eleccion = "congreso", anno = "1982", mes = "10")
str(data)
```

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renta   *Mean income at the census section level (INE)*

Description

This dataset contains the mean income of each census section

Usage

    renta

Format

A dataset with more than 34.000 rows and 2 columns:

codigo_seccion Code given to the census section made by the combination of the codes of the province, the municipality, the district and the section.

renta Mean income of the census section in euros

Source

https://www.ine.es/dyngs/INEbase/es/operacion.htm?c=Estadistica_C&cid=1254736177088&
menu=ultiDatos&idp=1254735976608

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