Package ‘spanish’

May 10, 2019

Type Package
Title Translate Quantities from Strings to Integer and Back. Misc Functions on Spanish Data
Version 0.4.2
Date 2019-05-10
URL https://ropenspain.github.io/spanish/
BugReports https://github.com/verajosemanuel/spanish/issues
Imports magrittr, xml2
Description Character vector to numerical translation in Euros from Spanish spelled monetary quantities. Reverse translation from integer to Spanish. Upper limit is up to the millions range. Geocoding via Cadastral web site.
License GPL-3
Encoding UTF-8
LazyData true
Collate 'geocode_cadastral.R' 'cadastral_references-data.R'
  'to_number.R' 'cantidades-data.R' 'to_words.R' 'utils-pipe.R'
  'spanish.R'
RoxygenNote 6.1.1
Suggests testthat, tidyr
NeedsCompilation no
Author Jose Manuel Vera Oteo [aut, cre]
Maintainer Jose Manuel Vera Oteo <vera.josemanuel@gmail.com>
Repository CRAN
Date/Publication 2019-05-10 12:00:03 UTC

R topics documented:
cadastral_references ........................................ 2
cantidades .................................................... 3
Description

Randomly selected data from catastro to test geocode_cadastral function

Usage

```r
data(cadastral_references)
```

Format

A data frame.

Source

Sede Electrónica del Catastro

References

Catastro. Ministerio de Hacienda y función pública. (Catastro)

Examples

```r
## Not run:
## source is cadastral reference number ##

geocode_cadastral("0636105UF3403N", parse_files = FALSE)

## Use lapply to geocode cadastral references from dataframe columns.

cadastral_references$new <- lapply(cadastral_references$cadref1, geocode_cadastral)

## separate previously generated "new" data into columns using tidyr

library(tidyr)
separate(cadastral_references, new, into = c('longitude','latitude'), sep = ""," )

## source is folder. A loop is needed to process each kml file ##

files <- list.files("folder", full.names = T)
```
for (f in files) {
    coords <- geocode_cadastral(f, parse_files = TRUE)
    d <- as.data.frame(rbind(d, as.data.frame(coords, stringsAsFactors = F)))
}

# separate lat/lon into columns if you prefer using tidyr

# End(Not run)

cantidades  Cantidades test data

Description
Randomly generated spanish spelled monetary integers to test to_number function

Usage
data(cantidades)

Format
A data frame.

Examples
to_number("mil trescientos noventa y dos")

## testing provided dataframe: cantidades
cantidades$var2 <- lapply(cantidades$var2, to_number)

geocode_cadastral  geocode by longitude and latitude from cadastral references.

Description
Get longitude/latitude from valid cadastral ref. or kml files from catastro.

Arguments
x A valid spanish cadastral reference.
parse_files bool. Default to FALSE. Set TRUE if source are KML files.
Value

A string for longitude/latitude if found. NA if not found.

Warning

You may be banned if many requests in short time are made.

Examples

```r
## source is cadastral reference number ##
## not run:
## geocode_cadastral("0636105U3403N", parse_files = FALSE)
##"36.5209422288168,-4.89298751473745"
## Use lapply to geocode cadastral references from dataframe columns.
cadastral_references$new <- lapply(cadastral_references$cadref1, geocode_cadastral)
## separate previously generated "new" data into columns using tidyR
# library(tidyR)
# separate(cadastral_references, new, into = c('longitude','latitude'), sep = ",", )
## source is folder. A loop is needed to process each kml file ##
# files <- list.files("folder", full.names = T)
# for (f in files) {
# coords <- geocode_cadastral(f, parse_files = TRUE)
# d <- as.data.frame(rbind(d , as.data.frame(coords, stringsAsFactors = F )))
# }
## separate lat/lon into columns if you prefer using tidyR
# d <- tidyR::separate(coords, into = c("longitude","latitude"), sep = "," )
## End(not run)
```

**spanish**

spanish: A package for spanish related data functions.

Description

The spanish package provides some functions for spanish data: to_number(), geocode_cadastral(), to_words()
to_number()

Translate Spanish spelled quantities into their integer counterparts. Allows you to translate to integer numerical words spelled in Spanish. Text must be previously cleaned & removed extraneous words or symbols. Quantities MUST be written in a correct Spanish (this is not a grammar tool) The upper limit is up to the millions range. Cents must be removed. (in my TODO list to parse cents part)

to_words()

Translate any integer to character string in Spanish spelled quantities. The upper limit is up to the millions range. Cents must be removed. (in my TODO list to parse cents part)

geocode_cadastral()

geocode by longitude and latitude from cadastral references. Get longitude/latitude from valid cadastral ref. or kml files from catastro.

---

to_number  translate Spanish spelled quantities into their integer counterparts.

Description

Allows you to translate to integer numerical words spelled in Spanish. Text must be previously cleaned & removed extraneous words or symbols. Quantities MUST be written in a correct Spanish (this is not a grammar tool) The upper limit is up to the millions range. Cents must be removed.

Arguments

x  A Spanish spelled number.

Examples

to_number("mil trescientos noventa y dos")

# Example table is provided: cantidades
cantidades$var3 <- lapply(cantidades$var2, to_number)
to_words

From integers to spanish spelled quantities.

**Description**

Takes any integer from zero to millions range and returns spanish characters

**Arguments**

- **x**
  
  A valid integer amount.

**Value**

A string for the same integer number in spanish.
Index

*Topic cadastral
g-code_cadastral, 3
*Topic cadastre,
geocode_cadastral, 3
*Topic currency,
to_number, 5
*Topic datasets
cadastral_references, 2
cantidades, 3
*Topic euros,
to_number, 5
*Topic geocoding,
geocode_cadastral, 3
*Topic integers,
to_words, 6
*Topic latitude,
geocode_cadastral, 3
*Topic longitude,
geocode_cadastral, 3
*Topic money,
to_number, 5
to_words, 6
*Topic quantities,
to_words, 6
*Topic reference,
geocode_cadastral, 3
*Topic spanish,
to_words, 6
*Topic translate
to_number, 5
cadastral_references, 2
cantidades, 3
g-code_cadastral, 3
spanish, 4
spanish-package (spanish), 4
to_number, 5
to_words, 6