

# Package ‘spanish’

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**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

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## Contents

cadastral_references . . . . .	2
cantidades . . . . .	3

geocode_cadastral . . . . .	3
spanish . . . . .	4
to_number . . . . .	5
to_words . . . . .	6
<b>Index</b>	<b>7</b>

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cadastral\_references *Cadastral references test data*

---

## Description

Randomly selected data from catastro to test geocode\_cadastral function

## Usage

```
data(cadastral_references)
```

## Format

A data frame.

## Source

[Sede Electrónica del Catastro](#)

## References

Catastro. Ministerio de Hacienda y función pública. ([Catastro](#))

## Examples

```
## 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 usign tidyr

library(tidyr)
separate(cadastral_references, new, into = c('longitudo','latitudo'), 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)

```

---

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$var3 <- lapply(cantidades$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**

```
## source is cadastral reference number ##
## Not run:
## geocode_cadastral("0636105UF3403N", 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 usign 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 streing 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

- \* **cadastral**
    - geocode\_cadastral, 3
  - \* **cadastre,**
    - geocode\_cadastral, 3
  - \* **currency,**
    - to\_number, 5
  - \* **datasets**
    - cadastral\_references, 2
    - cantidades, 3
  - \* **euros,**
    - to\_number, 5
  - \* **geocoding,**
    - geocode\_cadastral, 3
  - \* **integers,**
    - to\_words, 6
  - \* **latitude,**
    - geocode\_cadastral, 3
  - \* **longitude,**
    - geocode\_cadastral, 3
  - \* **money,**
    - to\_number, 5
    - to\_words, 6
  - \* **quantities.**
    - to\_words, 6
  - \* **reference.**
    - geocode\_cadastral, 3
  - \* **spanish,**
    - to\_words, 6
  - \* **translate**
    - to\_number, 5
- cadastral\_references, 2  
cantidades, 3
- geocode\_cadastral, 3
- spanish, 4  
spanish-package (spanish), 4
- to\_number, 5  
to\_words, 6