

# Package ‘utilsIPEA’

May 8, 2026

**Type** Package

**Title** IPEA Common Functions

**Version** 0.0.6

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**Description** The most used functions on IPEA (Instituto de Pesquisa Economica Aplicada).  
Most of functions deal with brazilian names.  
It can guess the women single's name, extract prepositions or extract the first name.

**License** GPL-3

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.0.1

**URL** <https://github.com/ipea/utilsIPEA>

**BugReports** <http://github.com/ipea/utilsIPEA/issues>

**Depends** R (>= 3.0)

**Imports** data.table, stringr, utils, stringdist, RCurl, dplyr

**Suggests** testthat, covr

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2018-04-20 19:51:54 UTC

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abrevia_nome_meio	<i>Abrevia o nome do meio.</i>
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### Description

abrevia\_nome\_meio return names .

### Usage

```
abrevia_nome_meio(base, ..., suffixo = "_abrev")
```

### Arguments

base	A data table, data frame or character vector.
...	columns for apply the function
suffixo	A character indicating the final part of the new columns' names

### Value

the base parameter with a new column.

### Examples

```
base <- data.frame(nome = c("Carlos Pereira Neves", "Pedro Aparecido Anjos"))
base <- remove_preposicao_nomes(base, "nome")
```

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contar_letras	<i>Remove de da e dos of names .</i>
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### Description

contar\_letras return number of any letters on alphabet for each column.

### Usage

```
contar_letras(base, columns, suffix = NULL)
```

**Arguments**

base	A data table, data frame or character vector.
columns	for apply the function
suffix	Suffix name for the new column.

**Value**

a data.table number of any letters on alphabet for each column

**Examples**

```
base <- data.frame(nome = c("João das Neves", "Pedro dos Anjos", "Maria das Gracas"))
base <- contar_letras(base, "nome")
```

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geocod_base	<i>Brazilian address</i>
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**Description**

Some addresses from Brazil

**Usage**

```
geocod_base
```

**Format**

A data frame with 5 rows and 12 variables:

**uf** state of Brazil

**MatchedAddress** Address returned from GALILEO

**cep** Zip code

**enderecofinal** Prompted Address

**Nome\_Município** City names

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ident\_erros\_munic\_galileo

ident\_erros\_munic\_galileo Returns a new column called munmatch with true or false. This column identify where GALILEO failed

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### Description

ident\_erros\_munic\_galileo Returns a new column called munmatch with true or false. This column identify where GALILEO failed

### Usage

```
ident_erros_munic_galileo(base, mun, match, uf)
```

### Arguments

base	Data frame, data set with return from GALILEO
mun	character, the name of the municipio.
match	character, the column MatchAdress from GALILEO.
uf	character, the name of the state.

### Value

Returns a new column called munmatch with true or false.

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nome\_de\_solteira      *Return women single's name*

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### Description

nome\_de\_solteira Return women single's name using the husband last name.

### Usage

```
nome_de_solteira(nome_casada, nome_conjuge)
```

### Arguments

nome_casada	Character, married woman's name
nome_conjuge	character, husband's name.

### Value

Returns a list of possible names

### Examples

```
nome_de_solteira(nome_casada = "Maria Conceicao da Costa", nome_conjuge = "Mario Silva da Costa")
```

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```
remove_preposicao_nomes
```

*Remove de da e dos of names .*

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### Description

remove\_preposicao\_nomes return names without de, da e dos.

### Usage

```
remove_preposicao_nomes(base, ..., suffixo = "_semD")
```

### Arguments

base	A data table, data frame or character vector.
...	columns for apply the function
suffixo	Suffix name for the new column.

### Value

the base parameter with a new column.

### Examples

```
base <- data.frame(nome = c("João das Neves", "Pedro dos Anjos", "Maria das Gracas"))  
base <- remove_preposicao_nomes(base, "nome")
```

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