

Package: rgisDR (via r-universe)

November 15, 2024

Title GIS tools for Dominican Republic boundaries in R

Version 0.3.0

Description The rgisDR package provides simple features for the administrative divisions of the Dominican Republic, facilitating comprehensive geospatial analysis and mapping. It also includes tools for cleaning and standardizing administrative names, ensuring accurate and consistent naming conventions across provinces, municipalities, and municipal districts, among others.

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Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.1

Imports cli, dplyr, lifecycle, magrittr, purrr, rlang, sf, stringdist, stringr, tibble, tidyr

Suggests sfDR,

Config/pak/sysreqs libgdal-dev gdal-bin libgeos-dev libicu-dev libssl-dev libproj-dev libsqlite3-dev libudunits2-dev

Repository <https://adatar-do.r-universe.dev>

RemoteUrl <https://github.com/adatar-do/rgisDR>

RemoteRef HEAD

RemoteSha e9806506c7d0b031d2758250ea8fc29b3d34b217

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dr_clean_md_name *Clean Dominican Republic municipal district names* **[Experimental]**

Description

This function cleans and standardizes the names of municipal districts (distritos municipales) in the Dominican Republic. It can also handle related names for municipalities and provinces, with tolerance for string similarity and options for error handling.

Usage

```
dr_clean_md_name(
  md,
  .mun = NULL,
  .prov = NULL,
  .tol = 0.33,
  .on_error = "fail"
)
```

Arguments

md	Character vector of municipal district names to be cleaned.
.mun	Optional character vector of municipality names. Defaults to NULL. If provided, it will clean and match the municipal district names within the context of these municipalities.
.prov	Optional character vector of province names. Defaults to NULL. If provided, it will clean and match the municipal district names within the context of these provinces.
.tol	Numeric tolerance level for string similarity. Defaults to 0.33. This parameter controls how similar two strings must be to be considered a match. A lower value means stricter matching.
.on_error	Character string specifying the error handling method. Defaults to "fail". It can be one of the following: "fail" to stop execution on error, "omit" to ignore unmatched names, or "na" to return NA for unmatched names.

Value

A cleaned character vector of municipal district names.

Examples

```
## Not run:
# Basic usage with municipal district names only
cleaned_md_names <- dr_clean_md_name(c("Distrito Nacion...", "Azua"))

# Usage with municipality names
cleaned_md_names <- dr_clean_md_name(
```

```

  c("DISTRITO NACIONAL", "Azua"),
  .mun = c("DISTRITO NACIONAL", "Azua de Compostela")
)

## End(Not run)

```

dr_clean_mun_name *Clean Dominican Republic municipality names* **[Experimental]**

Description

This function cleans and standardizes the names of municipalities in the Dominican Republic. It can also handle related names for provinces, with tolerance for string similarity and options for error handling.

Usage

```
dr_clean_mun_name(mun, .prov = NULL, .tol = 0.33, .on_error = "fail")
```

Arguments

mun	Character vector of municipality names to be cleaned.
.prov	Optional character vector of province names. Defaults to NULL. If provided, it will clean and match the municipality names within the context of these provinces.
.tol	Numeric tolerance level for string similarity. Defaults to 0.33. This parameter controls how similar two strings must be to be considered a match. A lower value means stricter matching.
.on_error	Character string specifying the error handling method. Defaults to "fail". It can be one of the following: "fail" to stop execution on error, "omit" to ignore unmatched names, or "na" to return NA for unmatched names.

Value

A cleaned character vector of municipality names.

Examples

```

## Not run:
# Basic usage with municipality names only
cleaned_mun_names <- dr_clean_mun_name(c("Santo dominio este", "Azua de Compostela"))

# Usage with province names
cleaned_mun_names <- dr_clean_mun_name(
  c("SANTO DOMINGO DE GUZMAN", "Azua de Compostela"),
  .prov = c("Distrito Nacional", "Azua")
)

```

```
## End(Not run)
```

dr_clean_prov_name *Clean Dominican Republic province names* **[Experimental]**

Description

This function cleans and standardizes the names of provinces in the Dominican Republic, with tolerance for string similarity and options for error handling.

Usage

```
dr_clean_prov_name(prov, .tol = 0.25, .on_error = "fail")  
  
dr_prov_clean_name(names)
```

Arguments

prov	Character vector of province names to be cleaned.
.tol	Numeric tolerance level for string similarity. Defaults to 0.25. This parameter controls how similar two strings must be to be considered a match. A lower value means stricter matching.
.on_error	Character string specifying the error handling method. Defaults to "fail". It can be one of the following: "fail" to stop execution on error, "omit" to ignore unmatched names, or "na" to return NA for unmatched names.
names	Deprecated. Use prov instead.

Value

A cleaned character vector of province names.

Examples

```
## Not run:  
# Basic usage with province names  
cleaned_prov_names <- dr_clean_prov_name(c("montePlata", "Azua"))  
  
## End(Not run)
```

dr_clean_sec_name	<i>Clean Dominican Republic section names</i> [Experimental]
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Description

This function cleans and standardizes the names of sections in the Dominican Republic. It can also handle related names for municipal districts, municipalities, and provinces, with tolerance for string similarity and options for error handling.

Usage

```
dr_clean_sec_name(  
  sec,  
  .dm = NULL,  
  .mun = NULL,  
  .prov = NULL,  
  .tol = 0.33,  
  .on_error = "fail"  
)
```

Arguments

sec	Character vector of section names to be cleaned.
.dm	Optional character vector of municipal district names. Defaults to NULL. If provided, it will clean and match the section names within the context of these municipal districts.
.mun	Optional character vector of municipality names. Defaults to NULL. If provided, it will clean and match the section names within the context of these municipalities.
.prov	Optional character vector of province names. Defaults to NULL. If provided, it will clean and match the section names within the context of these provinces.
.tol	Numeric tolerance level for string similarity. Defaults to 0.33. This parameter controls how similar two strings must be to be considered a match. A lower value means stricter matching.
.on_error	Character string specifying the error handling method. Defaults to "fail". It can be one of the following: "fail" to stop execution on error, "omit" to ignore unmatched names, or "na" to return NA for unmatched names.

Value

A cleaned character vector of section names.

Examples

```
## Not run:
# Basic usage with section names only
cleaned_sec_names <- dr_clean_sec_name(
  c(
    "Santo Domingo de Guzmán (Zona urbana)",
    "Azua de Compost. (Zona urbana)"
  )
)

# Usage with municipal district names
cleaned_sec_names <- dr_clean_sec_name(
  c(
    "SANTO DOMINGO DE GUZMAN (Zona urbana)",
    "Azua de Compostela (Zona urbana)"
  ),
  .dm = c("Distrito Nacional", "Azua")
)

## End(Not run)
```

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