

# Package: sfDR (via r-universe)

October 16, 2024

**Title** Simple Features for Dominican Republic Administrative Boundaries

**Version** 0.2.2

**Description** The sfDR package provides a comprehensive collection of simple feature (sf) objects for the administrative boundaries of the Dominican Republic, including provinces, municipalities, municipal districts, and sections. These datasets are ideal for geospatial analysis, mapping, and data visualization, providing accurate and up-to-date information as per the `División Territorial 2021`.

**License** MIT + file LICENSE

**Encoding** UTF-8

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**RoxygenNote** 7.3.1

**Depends** R (>= 2.10)

**LazyData** true

**LazyDataCompression** xz

**URL** <https://adatar-do.github.io/sfDR/>

**Imports** dplyr, lifecycle, magrittr, pins, sf

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

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

**RemoteRef** HEAD

**RemoteSha** a308c9ba8aecd3e62543ffb8b1bb4e841f0bdf18

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dr_municipalities	<i>Load Dominican Republic Municipalities Simple Features (sf) [Experimental]</i>
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### Description

This function loads the Dominican Republic municipalities simple features (sf) and adds metadata for provinces and regions if required. It also optionally converts the result to an sf object.

### Usage

```
dr_municipalities(.sf = TRUE, .prov = FALSE, .reg = FALSE, .uniques = TRUE)
```

### Arguments

.sf	Logical; if TRUE, converts the result to an sf object. Defaults to TRUE.
.prov	Logical; if FALSE, removes columns related to provinces. Defaults to FALSE.
.reg	Logical; if FALSE, removes columns related to regions. Defaults to FALSE.
.uniques	Logical; if TRUE, removes some duplicated IDs inserted to consider territories names changes over time. Defaults to TRUE.

### Format

A simple features collection with 158 features and 8 fields:

**MUN\_ID** Municipality number (3 digits) based on the División Territorial 2021 order  
**MUN\_NAME** Full name of the municipality as defined in the División Territorial 2021  
**PROV\_ID** Province number (2 digits)  
**PROV\_CODE** Code of the province  
**PROV\_NAME** Full name of the province  
**REG\_ID** Region number  
**REG\_NAME** Name of the region  
**REG\_CODE** Code of the region  
**geometry** Polygon geometry representing each municipality

### Value

A data frame or sf object (if .sf is TRUE) with the loaded and processed data.

### Source

[https://geoportal.iderd.gob.do/layers/geonode\\_data:geonode:RD\\_MUNICIPIOS](https://geoportal.iderd.gob.do/layers/geonode_data:geonode:RD_MUNICIPIOS)  
<https://www.one.gob.do/publicaciones/2021/division-territorial-2021/>

## Examples

```
## Not run:  
# Load and process the data as sf object  
result <- dr_municipalities(TRUE, TRUE, TRUE)  
print(result)  
  
## End(Not run)
```

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dr\_municipal\_districts

*Load Dominican Republic Municipal Districts Simple Features (sf)*  
**[Experimental]**

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## Description

This function loads the Dominican Republic municipal districts simple features (sf) and adds meta-data for municipalities, provinces, and regions if required. It also optionally converts the result to an sf object.

## Usage

```
dr_municipal_districts(  
  .sf = TRUE,  
  .mun = FALSE,  
  .prov = FALSE,  
  .reg = FALSE,  
  .uniques = TRUE  
)
```

## Arguments

.sf	Logical; if TRUE, converts the result to an sf object. Defaults to TRUE.
.mun	Logical; if FALSE, removes columns related to municipalities. Defaults to FALSE.
.prov	Logical; if FALSE, removes columns related to provinces. Defaults to FALSE.
.reg	Logical; if FALSE, removes columns related to regions. Defaults to FALSE.
.uniques	Logical; if TRUE, removes some duplicated IDs inserted to consider territories names changes over time. Defaults to TRUE.

## Format

A simple features collection with 393 features and 10 fields:

**MD\_ID** Municipal district number (6 digits) based on the División Territorial 2021 order

**MD\_NAME** Full name of the municipal district as defined in the División Territorial 2021

**MUN\_ID** Municipality number (4 digits)  
**MUN\_NAME** Full name of the municipality  
**PROV\_ID** Province number (2 digits)  
**PROV\_CODE** Code of the province  
**PROV\_NAME** Full name of the province  
**REG\_ID** Region number  
**REG\_NAME** Name of the region  
**REG\_CODE** Code of the region  
**geometry** Polygon geometry representing each municipal district

### Value

A data frame or sf object (if .sf is TRUE) with the loaded and processed data.

### Source

[https://geoportal.iderd.gob.do/layers/geonode\\_data:geonode:RD\\_DM](https://geoportal.iderd.gob.do/layers/geonode_data:geonode:RD_DM)  
<https://www.one.gob.do/publicaciones/2021/division-territorial-2021/>

### Examples

```
## Not run:  
# Load and process the data as sf object  
result <- dr_municipal_districts(TRUE, TRUE, TRUE, TRUE)  
print(result)  
  
## End(Not run)
```

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dr_provinces	<i>Load Dominican Republic Provinces Simple Features (sf)</i> <b>[Experimental]</b>
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### Description

This function loads the Dominican Republic provinces simple features (sf) and adds metadata for regions if required. It also optionally converts the result to an sf object.

### Usage

```
dr_provinces(.sf = TRUE, .reg = FALSE, .uniques = TRUE)
```

**Arguments**

<code>.sf</code>	Logical; if TRUE, converts the result to an sf object. Defaults to TRUE.
<code>.reg</code>	Logical; if FALSE, removes columns related to regions. Defaults to FALSE.
<code>.uniques</code>	Logical; if TRUE, removes some duplicated IDs inserted to consider territories names changes over time. Defaults to TRUE.

**Format**

A simple features collection with 32 features and 6 fields:

**PROV\_ID** Province number (2 digits) based on the División Territorial 2021 order

**PROV\_CODE** Province code, a custom 2 or 3-letter abbreviation created for each province

**PROV\_NAME** Full name of the province as defined in the División Territorial 2021

**REG\_ID** Region number

**REG\_NAME** Name of the region

**REG\_CODE** Code of the region

**geometry** Polygon geometry representing each province

**Value**

A data frame or sf object (if `.sf` is TRUE) with the loaded and processed data.

**Source**

[https://geoportal.iderd.gob.do/layers/geonode\\_data:geonode:RD\\_PROV](https://geoportal.iderd.gob.do/layers/geonode_data:geonode:RD_PROV)

<https://www.one.gob.do/publicaciones/2021/division-territorial-2021/>

**Examples**

```
## Not run:  
# Load and process the data as sf object  
result <- dr_provinces(TRUE, TRUE)  
print(result)  
  
## End(Not run)
```

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dr_regions	<i>Load Dominican Republic Development Regions Simple Features (sf)</i> <b>[Experimental]</b>
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### Description

This function loads the Dominican Republic development regions simple features (sf) and adds metadata. It also optionally converts the result to an sf object.

### Usage

```
dr_regions(.sf = TRUE, .uniques = TRUE)
```

### Arguments

.sf	Logical; if TRUE, converts the result to an sf object. Defaults to TRUE.
.uniques	Logical; if TRUE, removes some duplicated IDs inserted to consider territories names changes over time. Defaults to TRUE.

### Format

A simple features collection with 10 features and 3 fields:

**REG\_ID** Region number (2 digits) based on the Decreto 710-04 order

**REG\_NAME** Full name of the region as defined in the Decreto 710-04

**REG\_CODE** Region code (3 letters). Abbreviation of the full region name

**geometry** Polygon geometry representing each region

### Value

A data frame or sf object (if .sf is TRUE) with the loaded and processed data.

### Source

[https://geoportal.iderd.gob.do/layers/geonode\\_data:geonode:RD\\_REG\\_20220630](https://geoportal.iderd.gob.do/layers/geonode_data:geonode:RD_REG_20220630)

<https://www.one.gob.do/publicaciones/2021/division-territorial-2021/>

### Examples

```
## Not run:  
# Load and process the data as sf object  
result <- dr_regions()  
print(result)  
  
## End(Not run)
```

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dr_sections	<i>Load Dominican Republic Sections Simple Features (sf)</i> <b>[Experimental]</b>
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### Description

This function loads the Dominican Republic sections simple features (sf) and adds metadata for municipal districts, municipalities, provinces, and regions if required. It also optionally converts the result to an sf object.

### Usage

```
dr_sections(
  .sf = TRUE,
  .dm = FALSE,
  .mun = FALSE,
  .prov = FALSE,
  .reg = FALSE,
  .uniques = TRUE
)
```

### Arguments

.sf	Logical; if TRUE, converts the result to an sf object. Defaults to TRUE.
.dm	Logical; if FALSE, removes columns related to municipal districts. Defaults to FALSE.
.mun	Logical; if FALSE, removes columns related to municipalities. Defaults to FALSE.
.prov	Logical; if FALSE, removes columns related to provinces. Defaults to FALSE.
.reg	Logical; if FALSE, removes columns related to regions. Defaults to FALSE.
.uniques	Logical; if TRUE, removes some duplicated IDs inserted to consider territories names changes over time. Defaults to TRUE.

### Format

A simple features collection with 1,565 features and 12 fields:

**SEC\_ID** Section number (8 digits) based on the División Territorial 2021 order  
**SEC\_NAME** Full name of the section as defined in the División Territorial 2021  
**MD\_ID** Municipal district number (6 digits)  
**MD\_NAME** Full name of the municipal district  
**MUN\_ID** Municipality number (4 digits)  
**MUN\_NAME** Full name of the municipality  
**PROV\_ID** Province number (2 digits)

**PROV\_CODE** Code of the province  
**PROV\_NAME** Full name of the province  
**REG\_ID** Region number  
**REG\_NAME** Name of the region  
**REG\_CODE** Code of the region  
**geometry** Polygon geometry representing each section

### Value

A data frame or sf object (if .sf is TRUE) with the loaded and processed data.

### Source

[https://geoportal.iderd.gob.do/layers/geonode\\_data:geonode:RD\\_SECCIONES](https://geoportal.iderd.gob.do/layers/geonode_data:geonode:RD_SECCIONES)  
<https://www.one.gob.do/publicaciones/2021/division-territorial-2021/>

### Examples

```
## Not run:  
# Load and process the data as sf object  
result <- dr_sections(TRUE, TRUE, TRUE, TRUE, TRUE)  
print(result)  
  
## End(Not run)
```

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get\_dr\_provinces      *Deprecated function: get\_dr\_provinces* **[Deprecated]**

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### Description

This function is deprecated. Use dr\_provinces() instead.

### Usage

```
get_dr_provinces(...)
```

### Arguments

...                    Arguments to pass to dr\_provinces().



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remittance\_by\_province

*Percentage distribution by provinces of remittances received by the Dominican Republic*

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### **Description**

Percentage distribution by provinces of remittances received by the Dominican Republic

### **Usage**

remittance\_by\_province

### **Format**

remittance\_by\_province:

**province** Full name of the province

**percentage** Percentage of the total remittances received in 2010

### **Source**

<https://www.bancentral.gov.do/a/d/2532-sector-externo>

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