

Package ‘geomaroc’

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Title Easily Visualize Geographic Data of Morocco

Version 0.1.1

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Description Tools to easily visualize geographic data of Morocco.

This package interacts with data available through the 'geomarocdata' package, which is available in a 'drat' repository. The size of the 'geomarocdata' package is approximately 12 MB.

License GPL

Imports jsonlite , sf

Encoding UTF-8

URL <https://github.com/AmineAndam04/R-geomaroc>

RoxygenNote 7.1.0

Suggests knitr, rmarkdown, testthat, geomarocdata

Additional_repositories <https://amineandam04.github.io/drat/>

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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| | |
|-------------|---|
| getDistrict | <i>Plot districts within a province</i> |
|-------------|---|

Description

Helps to plot the shape of districts within a province.

Usage

```
getDistrict(n_province = NULL, id = NULL)
```

Arguments

| | |
|------------|--|
| n_province | The name of the province to plot. The notation should be respected. To get the notation: provinces() |
| id | the id of the province. To get the id of each province provinces() |

Value

return a sf object

Examples

```
## Not run:
#Use DISTRICT name
prov=getDistrict("Casablanca")
plot(prov$coordinates)
#Use id
prov=getDistrict(id=141)
plot(prov$coordinates)

## End(Not run)
```

| | |
|------------------|---|
| getMultiDistrict | <i>Plot districts of multiple provinces</i> |
|------------------|---|

Description

Helps to plot the shape of districts of multiple provinces.

Usage

```
getMultiDistrict(n_province = NULL, id = NULL)
```

Arguments

- n_province vector of The name of the province to plot. The notation should be respected.To get the notation: provinces()
- id vector of provinces id.Each province has an id. To get the id of each province : provinces()

Value

return a sf object

Examples

```
## Not run:  
prov=getMultiDistrict(c("Tanger-Assilah", "Fahs-Anjra"))  
plot(prov$coordinates)  
prov=getMultiDistrict(id=c(227,511))  
plot(prov$coordinates)  
  
## End(Not run)
```

getMultiProvince *Plot multiple regions*

Description

Helps to plot the shape of multiple regions.

Usage

```
getMultiProvince(n_region = NULL, id = NULL)
```

Arguments

- n_region vector of the name of the regions to plot. The notation should be respected.To get the notation execute: regions()
- id vector of regions id.Each region has an id. To get the id of each region please execute : regions()

Value

return a sf object

Examples

```
## Not run:
# Plot two regions :Casablanca-Settat and Rabat-Sale-Kenitra
regions=getMultiProvince(c("Casablanca-Settat","Rabat-Sale-Kenitra"))
plot(regions$coordinates)
#Plot provinces of Oriental and Tanger-Tetouan-AL-Hoceima
regions=getMultiProvince(id=c(1,2))
plot(regions$coordinates)

## End(Not run)
```

| | |
|----------------|------------------------------|
| getMultiRegion | <i>Plot multiple regions</i> |
|----------------|------------------------------|

Description

Helps to plot the shape of multiple regions.

Usage

```
getMultiRegion(name = NULL, id = NULL)
```

Arguments

| | |
|------|--|
| name | vector of the name of the regions to plot. The notation should be respected.To get the notation execute: regions() |
| id | vector of regions id.Each region has an id. To get the id of each region please execute : regions() |

Value

return a sf object

Examples

```
## Not run:
#Plot two regions :Casablanca-Settat and Laayoune-Sakia-El-Hamra
regions=getMultiRegion(c("Eddakhla-Oued-Eddahab","Laayoune-Sakia-El-Hamra"))
plot(regions$coordinates)
#Plot the map of Morocco
mar=getMultiRegion(id=1:12)
plot(mar$coordinates)

## End(Not run)
```

| | |
|---------------|--------------------------|
| getPathRegion | <i>Internal function</i> |
|---------------|--------------------------|

Description

Internal function

Usage

```
getPathRegion(n_region = NULL, id = NULL)
```

Arguments

| | |
|----------|--------------|
| n_region | name |
| id | id of region |

| | |
|-------------|---------------------------------------|
| getProvince | <i>Plot provinces within a region</i> |
|-------------|---------------------------------------|

Description

Helps to plot the shape of provinces within a region.

Usage

```
getProvince(n_region = NULL, id = NULL)
```

Arguments

| | |
|----------|---|
| n_region | The name of the region to plot. The notation should be respected. To get the notation : regions() |
| id | Each region has an id. To get the id of each region : regions() |

Value

return a sf object

Examples

```
## Not run:  
#Use region name  
region=getProvince("Tanger-Tetouan-Al-Hoceima")  
plot(region$coordinates)  
#Use id  
region=getProvince(id=1) #Don't forget getRegion(id=1) not getRegion(1)  
plot(region$coordinates)  
  
## End(Not run)
```

| | |
|-----------|---------------------|
| getRegion | <i>Plot regions</i> |
|-----------|---------------------|

Description

plot the shape of each region

Usage

```
getRegion(name = NULL, id = NULL)
```

Arguments

| | |
|------|--|
| name | The name of the region to plot. The notation should be respected. To get the notation execute: regions() |
| id | Each region has an id. To get the id of each region please execute : regions() |

Value

return a sf object

Examples

```
## Not run:

region=getRegion("Tanger-Tetouan-Al-Hoceima") #Use region name
#plot(region$coordinates)
region=getRegion(id=1) # use id
plot(region$coordinates)

## End(Not run)
```

| | |
|-----------|-----------------------------|
| provinces | <i>Notation : provinces</i> |
|-----------|-----------------------------|

Description

Hepls to respect the notation and to get the id and the name of each province

Usage

```
provinces()
```

Value

return a dataframe

Examples

```
## Not run:  
province=provinces()  
province  
  
## End(Not run)
```

regions

Notation : regions

Description

Helps to respect the notation and to get the id and the name of each region

Usage

```
regions()
```

Value

return a dataframe

Examples

```
## Not run:  
region=regions()  
region  
## End(Not run)
```

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