

Les îles

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Récupération des données

les shape files et les données RTE ont été téléchargés depuis la plateforme data.gouv.fr :

- <https://static.data.gouv.fr/resources/limites-geographiques-administratives/20220610-202135/shapefiles.zip>
- <https://www.data.gouv.fr/api/1/datasets/r/34184a7f-a4bf-4cf3-ac36-531388f3a6cb>

le dossier compressé shapefiles.zip a été décompressé

Lecture des données

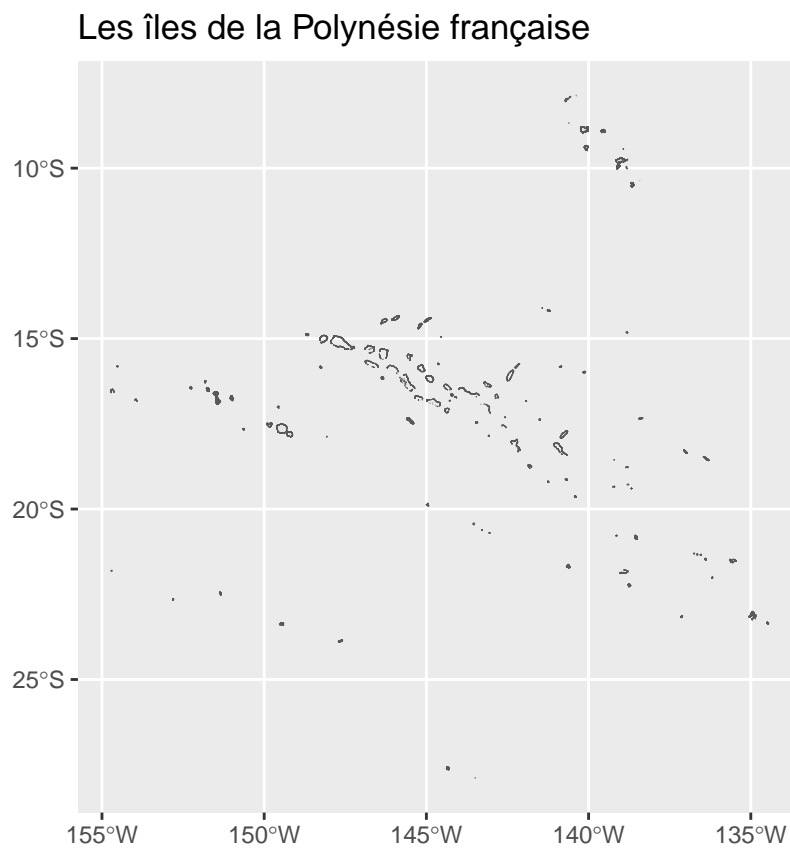
```
## Reading layer 'Ile' from data source
## 'D:\Users\datanui\Downloads\shapefiles\Ile.shp' using driver 'ESRI Shapefile'
## Simple feature collection with 119 features and 14 fields
## Geometry type: MULTIPOLYGON
## Dimension: XY
## Bounding box: xmin: -154.7273 ymin: -27.90063 xmax: -134.4511 ymax: -7.8587
## Geodetic CRS: RGPf
```

##	IDIle	IDSub	Ile	Sub
##	Min. : 1.0	Min. :1.000	Length:119	Length:119
##	1st Qu.: 30.5	1st Qu.:4.000	Class :character	Class :character
##	Median : 60.0	Median :5.000	Mode :character	Mode :character
##	Mean : 60.0	Mean :4.328		
##	3rd Qu.: 89.5	3rd Qu.:5.000		
##	Max. :119.0	Max. :5.000		
##	Type	Indivds	Id15aep	Indvdrp
##	Length:119	Min. : 0.0	Min. : 0.0	Min. : 0
##	Class :character	1st Qu.: 0.0	1st Qu.: 0.0	1st Qu.: 0
##	Mode :character	Median : 61.0	Median : 43.0	Median : 50
##		Mean : 2318.6	Mean : 1799.0	Mean : 2288
##		3rd Qu.: 466.5	3rd Qu.: 360.5	3rd Qu.: 438
##		Max. :189277.0	Max. :147643.0	Max. :186732
##	Actif	Actfocc	Chomeur	Inactif
##	Min. : 0.0	Min. : 0.0	Min. : 0.0	Min. : 0.0
##	1st Qu.: 0.0	1st Qu.: 0.0	1st Qu.: 0.0	1st Qu.: 0.0
##	Median : 23.0	Median : 18.0	Median : 1.0	Median : 28.0
##	Mean : 995.8	Mean : 786.5	Mean : 209.3	Mean : 1322.9
##	3rd Qu.: 218.5	3rd Qu.: 149.0	3rd Qu.: 32.0	3rd Qu.: 248.5

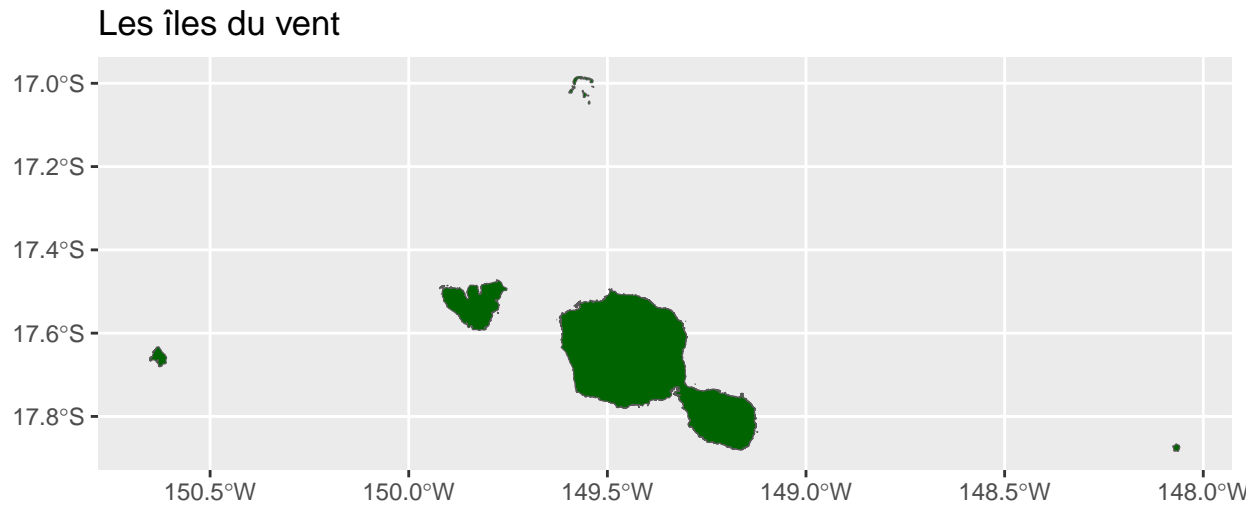
```
## Max. :83006.0 Max. :66241.0 Max. :16765.0 Max. :106271.0
## Logmnts Rsdncpr geometry
## Min. : 0.0 Min. : 0.0 MULTIPOLYGON :119
## 1st Qu.: 0.0 1st Qu.: 0.0 epsg:4687 : 0
## Median : 22.0 Median : 16.0 +proj=long...: 0
## Mean : 794.8 Mean : 645.2
## 3rd Qu.: 189.5 3rd Qu.: 132.0
## Max. :62213.0 Max. :51909.0

## [1] "Tuamotu-Gambier" "Iles Sous-Le-Vent" "Marquises"
## [4] "Iles Du Vent" "Australes"
```

PLot avec ggplot



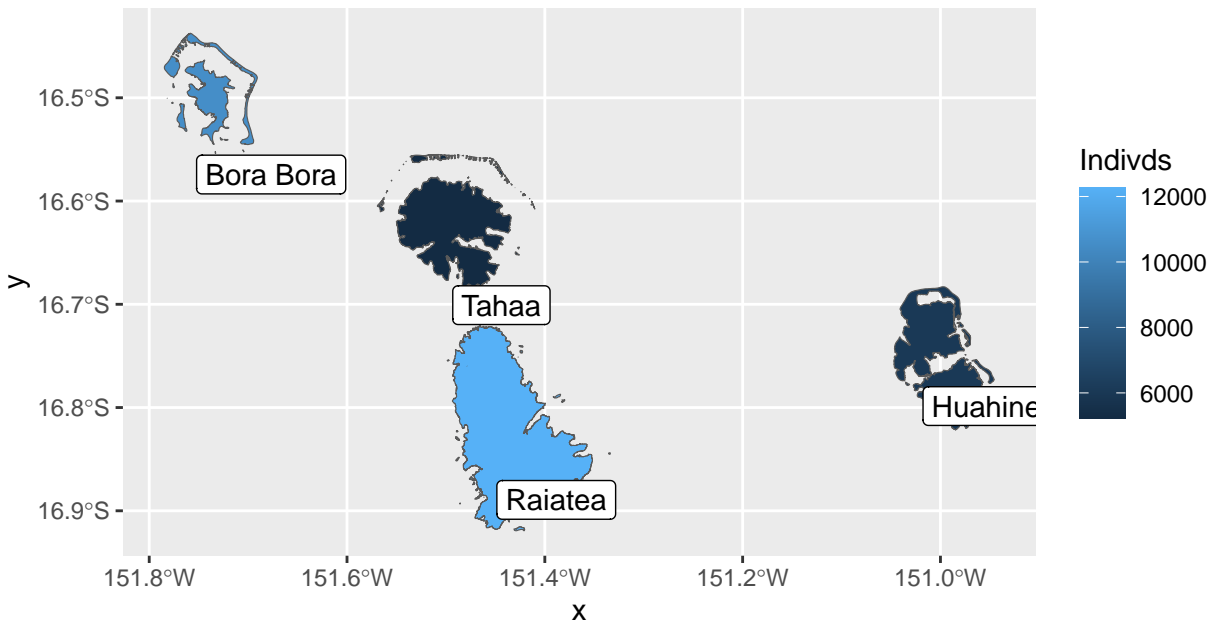
Les îles du vent



Les principales îles sous le vent

```
## Warning in st_point_on_surface.sfc(sf::st_zm(x)): st_point_on_surface may not  
## give correct results for longitude/latitude data
```

Les îles sous le vent de plus de 5000 habitants



Le RTE

Les communes

```
## Reading layer 'Com' from data source
## 'D:\Users\datanui\Downloads\shapefiles\Com.shp' using driver 'ESRI Shapefile'
## Simple feature collection with 48 features and 13 fields
## Geometry type: MULTIPOLYGON
## Dimension: XY
## Bounding box: xmin: -154.7273 ymin: -27.90063 xmax: -134.4511 ymax: -7.8587
## Geodetic CRS: RGPF
```

Les Etablissements des îles du vent

