

Les îles

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Récupération des données

les shape files ont été téléchargés depuis la plateforme data.gouv.fr : <https://static.data.gouv.fr/resources/limites-geographiques-administratives/20220610-202135/shapefiles.zip>

le dossier comporessé a été décompressé

Lecture des données

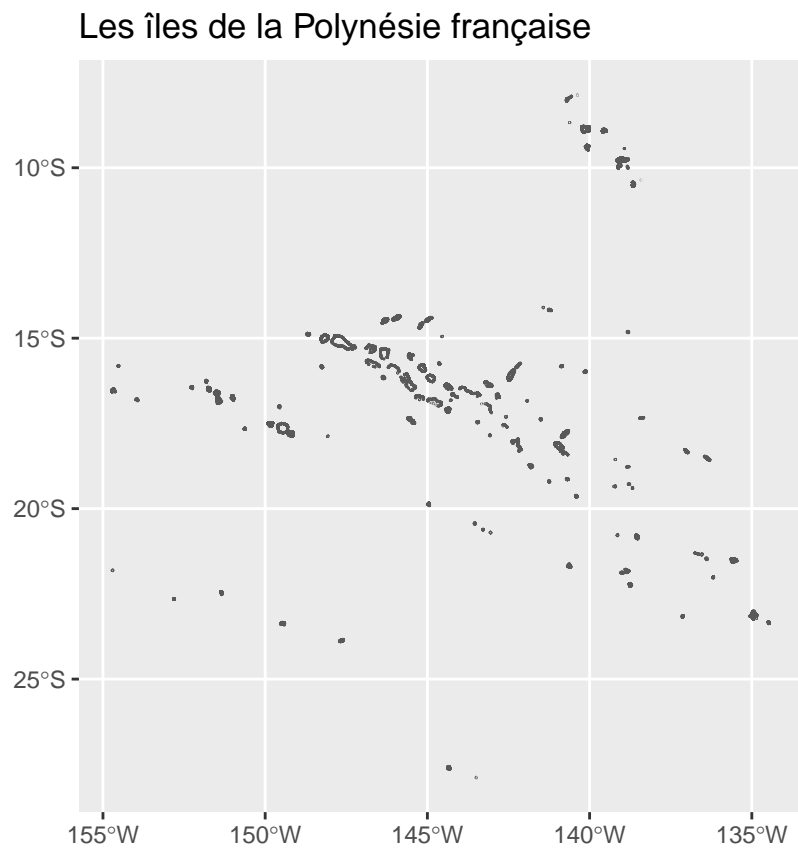
```
## Reading layer 'Ile' from data source 'C:\Users\hlevi\Downloads\shapefiles\Ile.shp' using driver 'ESRI Shapefile'
## Simple feature collection with 119 features and 14 fields
## Geometry type: MULTIPOLYGON
## Dimension: XY
## Bounding box: xmin: -154.7273 ymin: -27.90063 xmax: -134.4511 ymax: -7.8587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

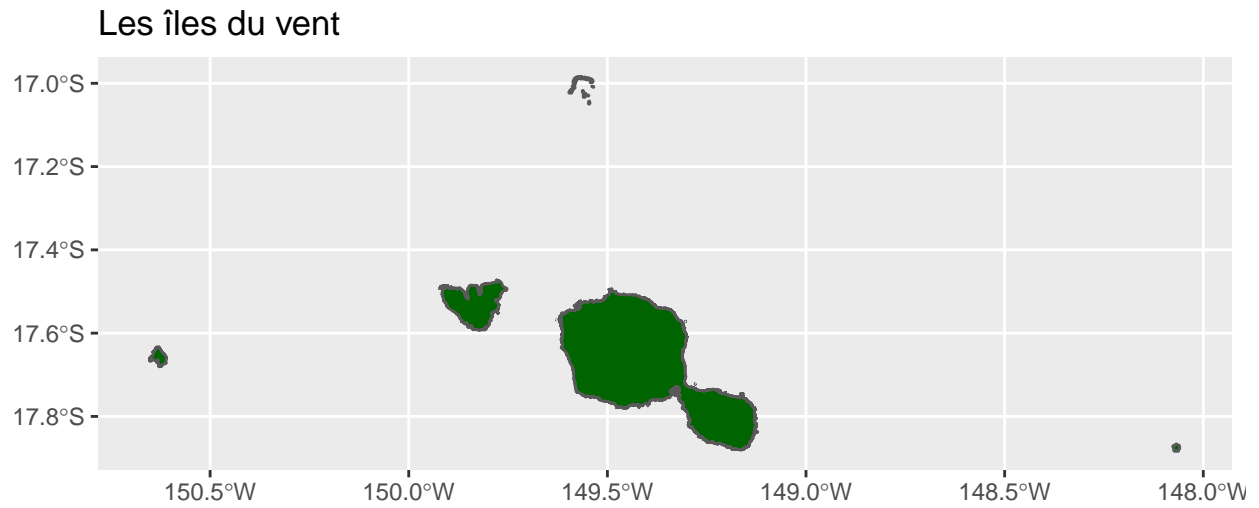
```
## Mean    : 794.8    Mean    : 645.2
## 3rd Qu.: 189.5    3rd Qu.: 132.0
## Max.    :62213.0   Max.    :51909.0

## [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

