

Rapport

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Chargement des packages

```
library(dplyr)
```

Warning: le package 'dplyr' a été compilé avec la version R 4.3.3

Attachement du package : 'dplyr'

Les objets suivants sont masqués depuis 'package:stats':

filter, lag

Les objets suivants sont masqués depuis 'package:base':

intersect, setdiff, setequal, union

Installation et chargement de la bibliothèque

```
remotes::install_github("Djayan-D/firstlibdjayan")
```

Using GitHub PAT from the git credential store.

Skipping install of 'firstlibdjayan' from a github remote, the SHA1 (69c06668) has not changed.
Use `force = TRUE` to force installation

```
library(firstlibdjayan)
```

Chargement des données

Filtrage des données par commune et département

```
df_commune <- data |>  
  filter(Code.de.la.commune == params$code_commune)  
  
df_departement <- data |>  
  filter(Code.du.département == params$code_departement)
```

Création des jeux de données pour la commune et le département

```
df_commune <- creer_commune(df_commune)  
df_departement <- creer_departement(df_departement)
```

Analyse des données

```
summary(df_commune)
```

```
$nom_commune  
[1] "Nantes"
```

```
$nombre_elus  
[1] 66
```

```
$distribution_ages_elus  
$distribution_ages_elus$Q0  
[1] 28
```

```
$distribution_ages_elus$Q25  
[1] 42.25
```

```
$distribution_ages_elus$Q50  
[1] 50.5
```

```
$distribution_ages_elus$Q75  
[1] 58.25
```

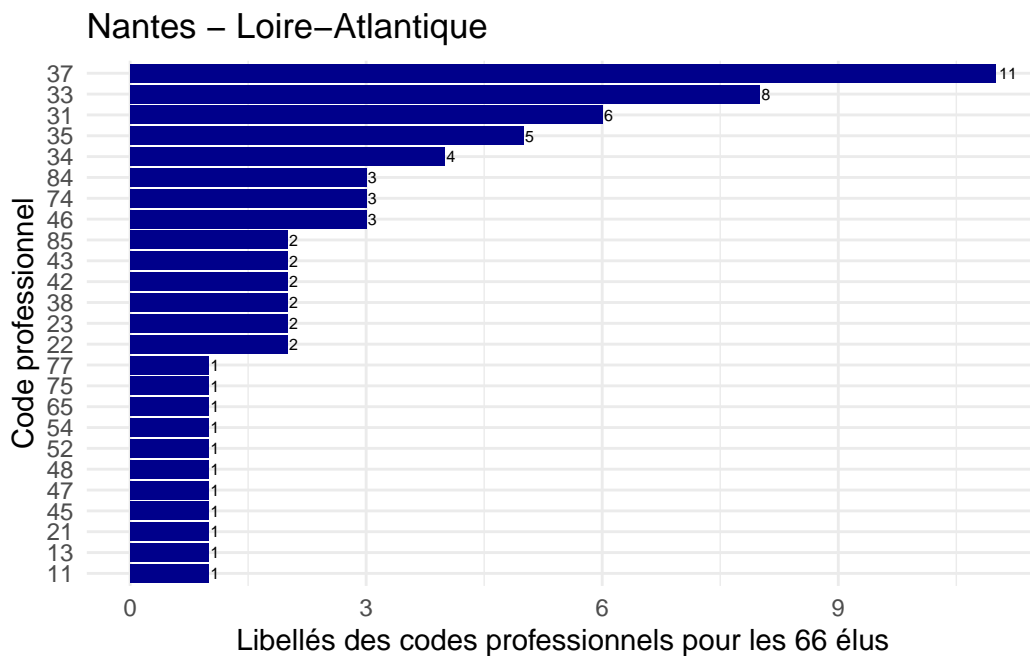
```
$distribution_ages_elus$Q100  
[1] 72
```

```
$elu_plus_age  
$elu_plus_age$nom  
[1] "PROCHASSON"
```

```
$elu_plus_age$prénom  
[1] "François"
```

```
$elu_plus_age$age  
[1] 72
```

```
plot(df_commune)
```



```
summary(df_departement)
```

```
$nom_departement  
[1] "Loire-Atlantique"
```

```
$nombre_communes  
[1] 207
```

```
$nombre_elus  
[1] 4781
```

```
$distribution_age_elus  
$distribution_age_elus$Q0  
[1] 22
```

```
$distribution_age_elus$Q25  
[1] 46
```

```
$distribution_age_elus$Q50  
[1] 54
```

```
$distribution_age_elus$Q75  
[1] 63
```

```
$distribution_age_elus$Q100  
[1] 84
```

```
$elu_plus_age  
$elu_plus_age$nom  
[1] "GERARD"
```

```
$elu_plus_age$age  
[1] 84
```

```
$elu_plus_jeune  
$elu_plus_jeune$nom  
[1] "MERCERON"
```

```
$elu_plus_jeune$age  
[1] 22
```

```
$commune_plus_jeune  
$commune_plus_jeune$nom  
[1] "Ruffigné"
```

```
$commune_plus_jeune$distribution_ages  
$commune_plus_jeune$distribution_ages$Q0  
[1] 28
```

```
$commune_plus_jeune$distribution_ages$Q25  
[1] 37.5
```

```
$commune_plus_jeune$distribution_ages$Q50  
[1] 44
```

```
$commune_plus_jeune$distribution_ages$Q75  
[1] 49
```

```
$commune_plus_jeune$distribution_ages$Q100  
[1] 70
```

```
$commune_plus_agee  
$commune_plus_agee$nom  
[1] "Les Moutiers-En-Retz"
```

```
$commune_plus_agee$distribution_ages  
$commune_plus_agee$distribution_ages$Q0  
[1] 50
```

```
$commune_plus_agee$distribution_ages$Q25  
[1] 63.5
```

```
$commune_plus_agee$distribution_ages$Q50  
[1] 70
```

```
$commune_plus_agee$distribution_ages$Q75  
[1] 74.5
```

```
$commune_plus_agee$distribution_ages$Q100  
[1] 81
```

```
plot(df_departement)
```

