

TD5-exo

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3 mars 2017

R Markdown

Chargement des librairies :

```
library(ggplot2);  
library(dplyr);
```

```
##  
## Attaching package: 'dplyr'  
  
## The following objects are masked from 'package:stats':  
##  
##   filter, lag  
  
## The following objects are masked from 'package:base':  
##  
##   intersect, setdiff, setequal, union  
  
library(magrittr);  
library(readr);
```

Chargement des données :

```
library(readr);  
df <- read_tsv (file = "dpt2015.txt",  
locale = locale(encoding = "ISO-8859-1"));
```

```
## Parsed with column specification:  
## cols(  
##   sexe = col_integer(),  
##   preusuel = col_character(),  
##   annais = col_character(),  
##   dpt = col_character(),  
##   nombre = col_double()  
## )
```

Données :

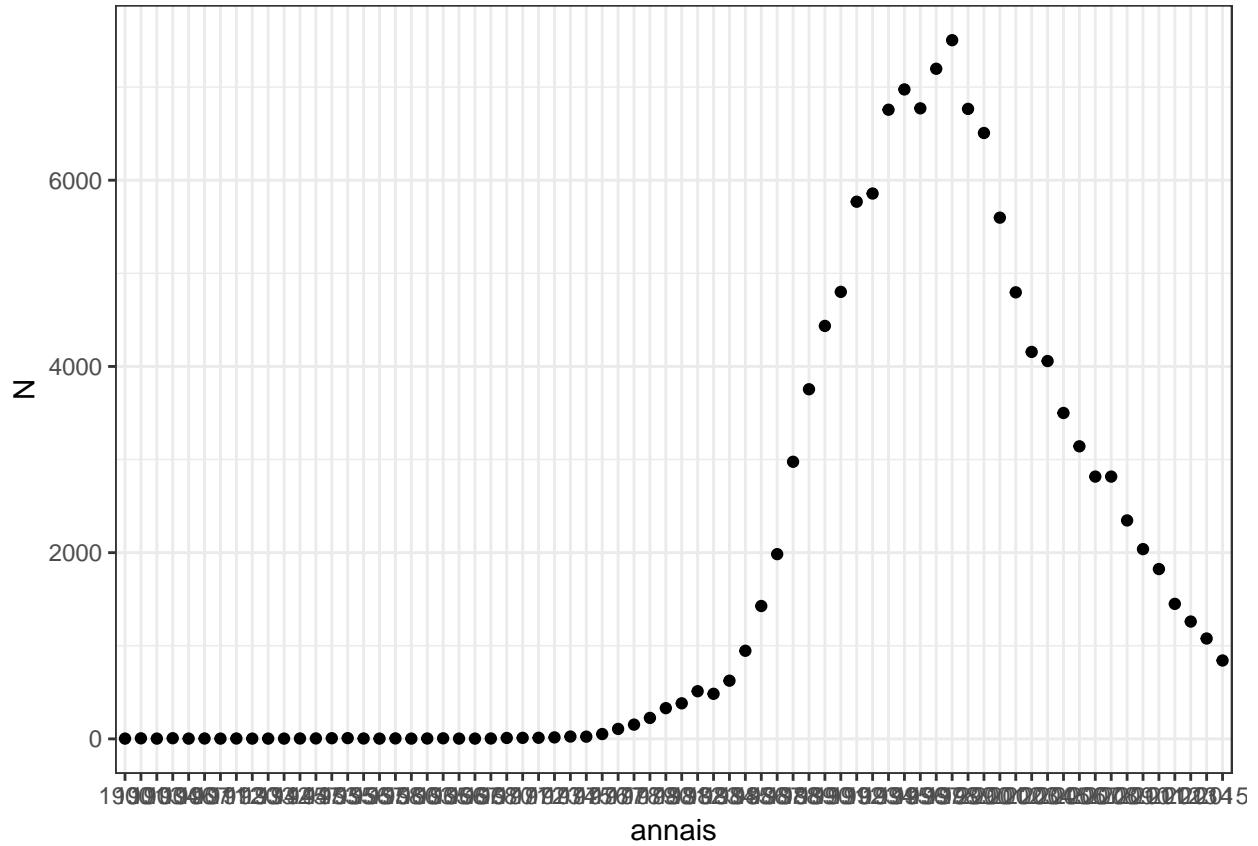
```
df;
```

```
## # A tibble: 3,405,311 × 5  
##   sexe preusuel annais dpt nombre  
##   <int>   <chr>   <chr> <chr> <dbl>  
## 1     1     A     XXXX   XX    27  
## 2     1  AADEL   XXXX   XX    53  
## 3     1  AADIL  1983   84     3  
## 4     1  AADIL  1992   92     3  
## 5     1  AADIL   XXXX   XX   162  
## 6     1  AAKASH   XXXX   XX    24  
## 7     1  AARON  1962   75     3  
## 8     1  AARON  1982   75     3
```

```
## 9      1      AARON    1984    75      3
## 10     1      AARON    1985    75      4
## # ... with 3,405,301 more rows
```

Evolution du nombre de personne nommé Quentin au cours du temps :

```
df %>% filter(preusuel=="QUENTIN") %>% filter(annais!="XXXX") %>% group_by(preusuel,annais) %>% summari
```



Evolution comparé du nombre de personne nommé Andréas, Pablo et Quentin au cours du temps :

```
df %>% filter(preusuel %in% c("ANDREAS", "QUENTIN", "PABLO")) %>% filter(annais!="XXXX") %>% mutate(ann
```

