

Projet d'étude de Statistiques

Maxime Baba, Alexandre Demarquet, Félix de Brandois, Tristan Gay

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0.1 R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
data <- read.csv("Data-projetmodIA-2324.csv")
```

0.2 Including Plots

You can also embed plots, for example:

```
##      code_epci      lib_epci      annee_inv      nox_kg
## Min.      :20006930  Length:984      Min.      :2014  Min.      : 4085
## 1st Qu.:200066342  Class :character  1st Qu.:2015  1st Qu.: 151025
## Median :200071178  Mode  :character  Median :2016  Median : 257531
## Mean   :219957739      Mean   :2016  Mean   : 466703
## 3rd Qu.:243200433      3rd Qu.:2018  3rd Qu.: 465286
## Max.    :248400251      Max.    :2019  Max.    :7296028
##      so2_kg      pm10_kg      pm25_kg      co_kg
## Min.      : 91.3  Min.      : 2366  Min.      : 1971  Min.      : 28231
## 1st Qu.: 3694.6  1st Qu.: 56986  1st Qu.: 40502  1st Qu.: 482779
## Median : 6302.6  Median : 104200  Median : 65338  Median : 764707
## Mean   : 21041.6  Mean   : 142992  Mean   : 93646  Mean   : 1117926
## 3rd Qu.: 11327.3  3rd Qu.: 172210  3rd Qu.:106391  3rd Qu.: 1169215
## Max.    :713262.5  Max.    :1186604  Max.    :927205  Max.    :12302750
##      c6h6_kg      nh3_kg      ges_teqco2      ch4_t
## Min.      : 437.2  Min.      : 7408  Min.      : 2481  Min.      : 30.57
## 1st Qu.: 8497.0  1st Qu.: 83409  1st Qu.: 76282  1st Qu.: 276.97
## Median : 12599.3  Median : 216921  Median : 118249  Median : 533.78
## Mean   : 17863.6  Mean   : 263843  Mean   : 209643  Mean   : 905.64
## 3rd Qu.: 19764.0  3rd Qu.: 364883  3rd Qu.: 212410  3rd Qu.:1074.44
```

```
## Max. :178741.5 Max. :1202364 Max. :3171595 Max. :5313.16
## co2_t n2o_t TypeEPCI nomdepart
## Min. : 865.1 Min. : 0.952 Length:984 Length:984
## 1st Qu.: 31906.3 1st Qu.: 18.017 Class :character Class :character
## Median : 59008.8 Median : 41.718 Mode :character Mode :character
## Mean : 138412.7 Mean : 48.855
## 3rd Qu.: 131054.4 3rd Qu.: 65.378
## Max. :2678898.2 Max. :726.911
## Ardèche Ariège Aude Aveyron
## Min. :0.000000 Min. :0.00000 Min. :0.00000 Min. :0.000
## 1st Qu.:0.000000 1st Qu.:0.00000 1st Qu.:0.00000 1st Qu.:0.000
## Median :0.000000 Median :0.00000 Median :0.00000 Median :0.000
## Mean :0.006098 Mean :0.04878 Mean :0.06098 Mean :0.122
## 3rd Qu.:0.000000 3rd Qu.:0.00000 3rd Qu.:0.00000 3rd Qu.:0.000
## Max. :1.000000 Max. :1.00000 Max. :1.00000 Max. :1.000
## Gard Haute.Garonne Gers Hérault
## Min. :0.0000 Min. :0.0000 Min. :0.0000 Min. :0.0000
## 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.0000
## Median :0.0000 Median :0.0000 Median :0.0000 Median :0.0000
## Mean :0.1037 Mean :0.1159 Mean :0.1037 Mean :0.1037
## 3rd Qu.:0.0000 3rd Qu.:0.0000 3rd Qu.:0.0000 3rd Qu.:0.0000
## Max. :1.0000 Max. :1.0000 Max. :1.0000 Max. :1.0000
## Landes Lot Lot.et.Garonne Lozère
## Min. :0.000000 Min. :0.00000 Min. :0.000000 Min. :0.000000
## 1st Qu.:0.000000 1st Qu.:0.00000 1st Qu.:0.000000 1st Qu.:0.000000
## Median :0.000000 Median :0.00000 Median :0.000000 Median :0.000000
## Mean :0.006098 Mean :0.06098 Mean :0.006098 Mean :0.06707
## 3rd Qu.:0.000000 3rd Qu.:0.00000 3rd Qu.:0.000000 3rd Qu.:0.000000
## Max. :1.000000 Max. :1.00000 Max. :1.000000 Max. :1.00000
## Pyrénées.Atlantiques Hautes.Pyrénées Pyrénées.Orientales Tarn
## Min. :0.0000 Min. :0.00000 Min. :0.00000 Min. :0.00000
## 1st Qu.:0.0000 1st Qu.:0.00000 1st Qu.:0.00000 1st Qu.:0.00000
## Median :0.0000 Median :0.00000 Median :0.00000 Median :0.00000
## Mean :0.0122 Mean :0.06098 Mean :0.07317 Mean :0.09756
## 3rd Qu.:0.0000 3rd Qu.:0.00000 3rd Qu.:0.00000 3rd Qu.:0.00000
## Max. :1.0000 Max. :1.00000 Max. :1.00000 Max. :1.00000
## Tarn.et.Garonne Vaucluse latit longit
## Min. :0.00000 Min. :0.000000 Min. :42.44 Min. : -0.295
## 1st Qu.:0.00000 1st Qu.:0.000000 1st Qu.:43.33 1st Qu.: 1.257
## Median :0.00000 Median :0.000000 Median :43.70 Median : 2.157
## Mean :0.06098 Mean :0.006098 Mean :43.70 Mean : 2.159
## 3rd Qu.:0.00000 3rd Qu.:0.000000 3rd Qu.:44.10 3rd Qu.: 3.034
## Max. :1.00000 Max. :1.000000 Max. :44.88 Max. : 4.825
```

““

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.