

Analyse Statistique avec Packages Explore

Mr. Beni nzimba

2025-02-28

```
if (!require(funModeling)) install.packages("funModeling")
```

```
## Le chargement a nécessité le package : funModeling
```

```
## Le chargement a nécessité le package : Hmisc
```

```
##
```

```
## Attachement du package : 'Hmisc'
```

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

```
##
```

```
##   format.pval, units
```

```
## funModeling v.1.9.5 :)
```

```
## Examples and tutorials at livebook.datascienceheroes.com
```

```
## / Now in Spanish: librovivodecienciadedatos.ai
```

```
library(funModeling)
```

```
data(heart_disease)
```

```
str(heart_disease)
```

```
## 'data.frame':   303 obs. of  16 variables:
##  $ age           : int  63 67 67 37 41 56 62 57 63 53 ...
##  $ gender         : Factor w/ 2 levels "female","male": 2 2 2 2 1 2 1 1 2 2 ...
##  $ chest_pain      : Factor w/ 4 levels "1","2","3","4": 1 4 4 3 2 2 4 4 4 4 ...
##  $ resting_blood_pressure: int  145 160 120 130 130 120 140 120 130 140 ...
##  $ serum_cholesterol : int  233 286 229 250 204 236 268 354 254 203 ...
##  $ fasting_blood_sugar : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 2 ...
##  $ resting_electro    : Factor w/ 3 levels "0","1","2": 3 3 3 1 3 1 3 1 3 3 ...
##  $ max_heart_rate     : int  150 108 129 187 172 178 160 163 147 155 ...
##  $ exer_angina        : int  0 1 1 0 0 0 0 1 0 1 ...
##  $ oldpeak           : num  2.3 1.5 2.6 3.5 1.4 0.8 3.6 0.6 1.4 3.1 ...
##  $ slope              : int  3 2 2 3 1 1 3 1 2 3 ...
##  $ num_vessels_flour   : int  0 3 2 0 0 0 2 0 1 0 ...
##  $ thal               : Factor w/ 3 levels "3","6","7": 2 1 3 1 1 1 1 1 3 3 ...
##  $ heart_disease_severity: int  0 2 1 0 0 0 3 0 2 1 ...
##  $ exer_angina         : Factor w/ 2 levels "0","1": 1 2 2 1 1 1 1 2 1 2 ...
##  $ has_heart_disease   : Factor w/ 2 levels "no","yes": 1 2 2 1 1 1 2 1 2 2 ...
```

```
if (!require(dplyr)) install.packages("explore")
```

```
## Le chargement a nécessité le package : dplyr
```

```
##
```

```
## Attachement du package : 'dplyr'
```

```
## Les objets suivants sont masqués depuis 'package:Hmisc':
```

```
##
```

```
##      src, summarize
```

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

```
##
```

```
##      filter, lag
```

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

```
##
```

```
##      intersect, setdiff, setequal, union
```

```
#if (!require(dplyr)) install.packages("dplyr")
```

```
if (!require(here)) install.packages("here")
```

```
## Le chargement a nécessité le package : here
```

```
## here() starts at C:/Users/User/Documents/Apprendre_shiny/Analyse_pdf/Stat_descriptive
```

```
# if (!require(dplyr)) install.packages("explore")
```

```
#install.packages("dplyr")
```

```
#install.packages("here")
```

```
library(explore)
```

```
##
```

```
## Attachement du package : 'explore'
```

```
## L'objet suivant est masqué depuis 'package:Hmisc':
```

```
##
```

```
##      describe
```

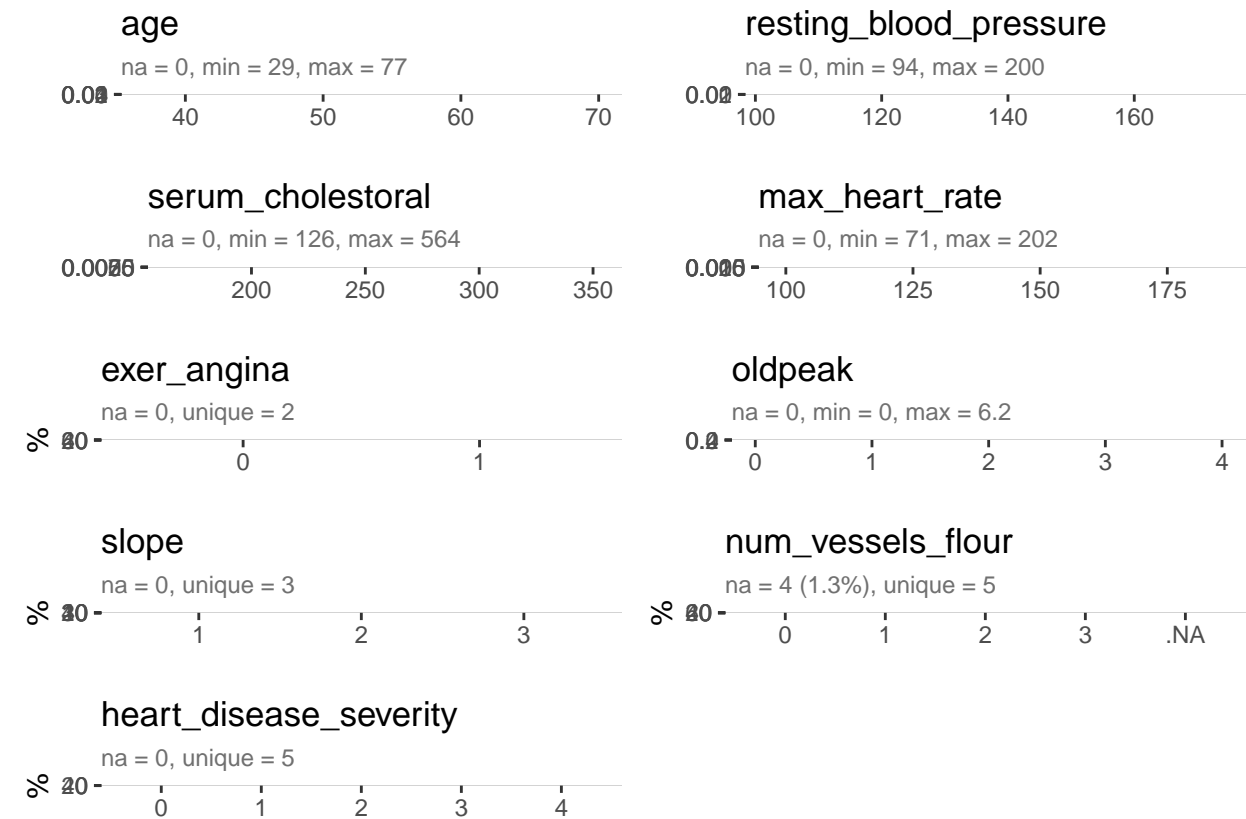
```
#library(dplyr)
```

```
library(here)
```

```
explore(heart_disease)
```

```
## Warning in explore_shiny(data, ...): This function can only be used in an  
## interactive R session
```

```
heart_disease %>%
  select(where(is.numeric)) %>%
  explore_all()
```



```
heart_disease %>% # sélection des variables de type facteur select(where(is.factor)) %>% explore_all()
```

```
heart_disease %>%
  # sélection des variables de type facteur
  select(where(is.factor)) %>%
  explore_all()
```

