

### Mesures de position et de dispersion : la pratique



```
R Console

> summary(smp.c)
      age      prof      dep.cons      scz.cons
Min.   :19.0   ouvrier   :227   Min.   :0.0000   Min.   :0.0000
1st Qu.:28.0   employé   :135   1st Qu.:0.0000   1st Qu.:0.0000
Median :37.0   artisan   : 90   Median :0.0000   Median :0.0000
Mean   :38.9   prof.intermédiaire: 58   Mean   :0.3967   Mean   :0.0826
3rd Qu.:48.0   autre     : 31   3rd Qu.:1.0000   3rd Qu.:0.0000
Max.   :83.0   (Other)    : 30   Max.   :1.0000   Max.   :1.0000
NA's   :2      NA's     :228

      grav.cons      n.enfant      rs      ed      dr
Min.   :1.000   Min.   : 0.000   Min.   :1.000   Min.   :1.000   Min.   :1.000
1st Qu.:2.000   1st Qu.: 0.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000
Median :4.000   Median : 1.000   Median :2.000   Median :2.000   Median :2.000
Mean   :3.643   Mean   : 1.755   Mean   :2.057   Mean   :1.866   Mean   :2.153
3rd Qu.:5.000   3rd Qu.: 3.000   3rd Qu.:3.000   3rd Qu.:3.000   3rd Qu.:3.000
Max.   :7.000   Max.   :13.000   Max.   :3.000   Max.   :3.000   Max.   :3.000
NA's   :4      NA's   :26      NA's   :103   NA's   :107   NA's   :111

> |
```

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R

R Console

```
> library(prettyR)
> describe(smp.c)
Description of smp.c
```

Numeric

|           | mean   | median | var     | sd     | valid.n |
|-----------|--------|--------|---------|--------|---------|
| age       | 38.9   | 37     | 176.4   | 13.28  | 797     |
| dep.cons  | 0.3967 | 0      | 0.2396  | 0.4895 | 799     |
| scz.cons  | 0.0826 | 0      | 0.07587 | 0.2755 | 799     |
| grav.cons | 3.643  | 4      | 2.726   | 1.651  | 795     |
| n.enfant  | 1.755  | 1      | 3.364   | 1.834  | 773     |
| rs        | 2.057  | 2      | 0.7708  | 0.8779 | 696     |
| ed        | 1.866  | 2      | 0.759   | 0.8712 | 692     |
| dr        | 2.153  | 2      | 0.6885  | 0.8297 | 688     |

Factor

| prof               | Value       | Count | Percent |
|--------------------|-------------|-------|---------|
| NA                 | 228         | 28.54 |         |
| ouvrier            | 227         | 28.41 |         |
| employé            | 135         | 16.9  |         |
| artisan            | 90          | 11.26 |         |
| prof.intermédiaire | 58          | 7.26  |         |
| autre              | 31          | 3.88  |         |
| cadre              | 24          | 3     |         |
| agriculteur        | 6           | 0.75  |         |
| mode=ouvrier       | Valid n=571 |       |         |

```
> |
```

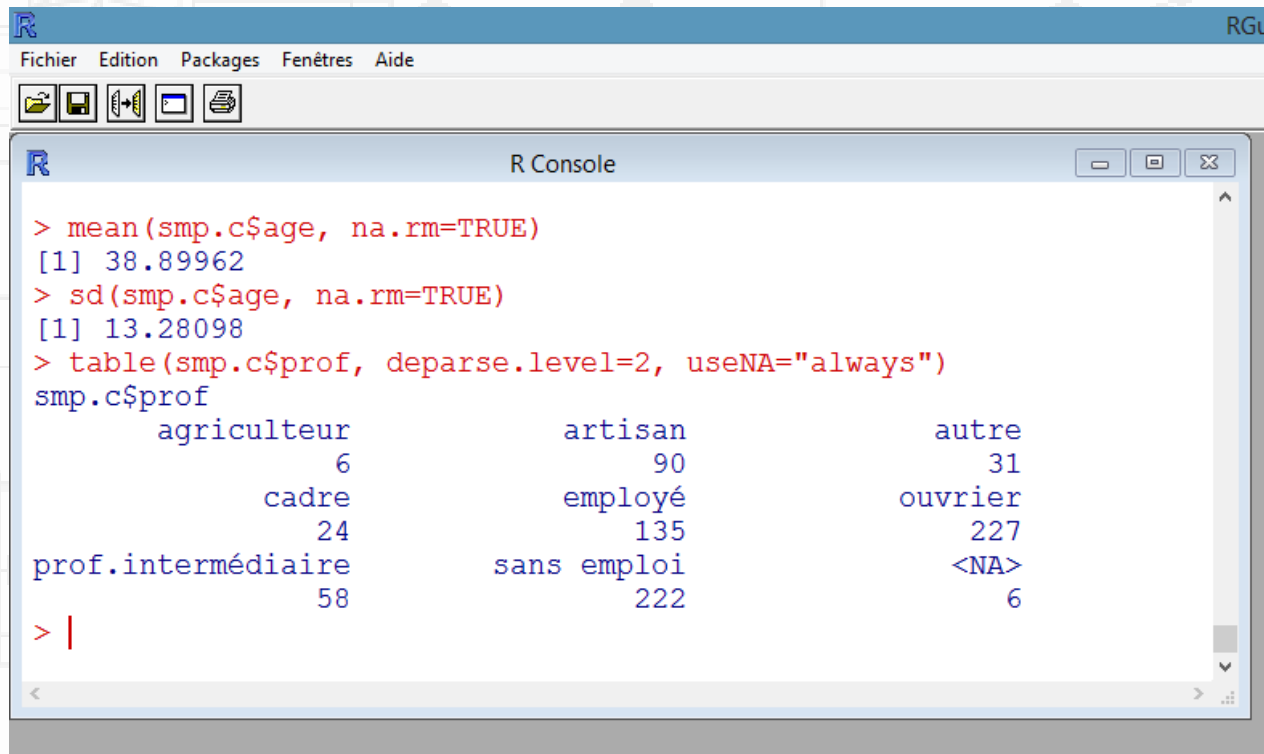
```

RGui (64-bit)
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[Icons]

R Console
> describe(smp.c,num.desc=c("mean","sd","median","min","max","valid.n"))
Description of smp.c

Numeric
      mean      sd    median    min     max   valid.n
age      38.9    13.28      37     19     83     797
dep.cons 0.3967  0.4895      0      0      1     799
scz.cons 0.0826  0.2755      0      0      1     799
grav.cons 3.643  1.651      4      1      7     795
n.enfant 1.755   1.834      1      0     13     773
rs        2.057  0.8779      2      1      3     696
ed        1.866  0.8712      2      1      3     692
dr        2.153  0.8297      2      1      3     688

Factor
prof
Value Count Percent
ouvrier 227      28.41
sans emploi 222      27.78
employé 135      16.9
artisan 90      11.26
prof.intermédiaire 58      7.26
autre 31      3.88
cadre 24      3
agriculteur 6      0.75
NA 6      0.75
mode=ouvrier Valid n=793
> |
    
```



```
> mean(smp.c$age, na.rm=TRUE)
[1] 38.89962
> sd(smp.c$age, na.rm=TRUE)
[1] 13.28098
> table(smp.c$prof, deparse.level=2, useNA="always")
smp.c$prof
      agriculteur      artisan      autre
             6          90          31
      cadre      employé      ouvrier
      24          135          227
prof.intermédiaire sans emploi      <NA>
      58          222           6
> |
```

```
summary(smp.c)
library(prettyR)
describe(smp.c)
describe(smp.c,num.desc=c("mean","sd","median","min","max","valid.n"))
mean(smp.c$age, na.rm=TRUE)
sd(smp.c$age, na.rm=TRUE)
table(smp.c$prof, deparse.level=2, useNA="always")
```