

Rapport interro

Armelle de le Court 30821800

25/03/2021

chargement des packages

chargez les données le package rWSBIM1207 et interroL

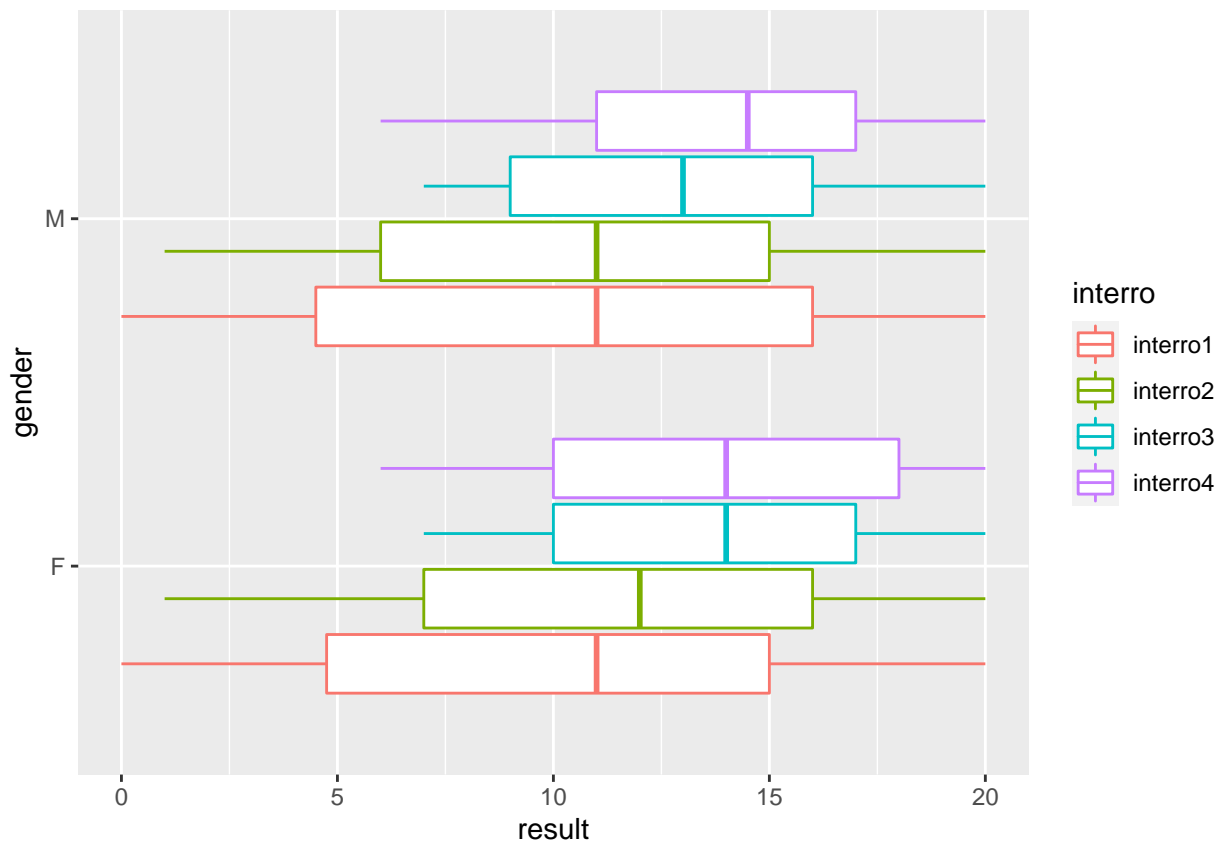
```
library(rWSBIM1207)
library(tidyverse)
data(interroL)
interroL
```

```
## # A tibble: 820 x 7
##   id      height gender      X serie interro  result
##   <fct>    <dbl> <fct>    <dbl> <chr> <chr>    <int>
## 1 A74890    168 M      1.43  A     interro1    16
## 2 A85494    167 M      1.05  A     interro1    15
## 3 A51820    166 M      0.435 A     interro1     4
## 4 A98669    164 M      0.715 A     interro1    15
## 5 A75521    171 M      0.917 A     interro1    18
## 6 A96704    178 F     -2.66 A     interro1    11
## 7 A23214    155 M      1.11  A     interro1    12
## 8 A31124    177 M     -0.485 A     interro1    19
## 9 A80471    187 F      0.231 A     interro1    19
## 10 A21783   195 F     -0.295 A     interro1    13
## # ... with 810 more rows
```

Question 1 : boxplots

```
ggplot(data = interroL, mapping = aes(x = result, y = gender, colour = interro)) +
  geom_boxplot()
```

```
## Warning: Removed 36 rows containing non-finite values (stat_boxplot).
```



Question 2 : moyenne interros dans les deux séries

Question 3 : meilleure moyenne

```
interroL %>%
group_by(id) %>%
  summarise(m = mean(result)) %>%
  arrange(desc(m)) %>%
  head
```

```
## # A tibble: 6 x 2
##   id      m
##   <fct> <dbl>
## 1 A36739 19.2
## 2 A21855 18.5
## 3 A05488 17.5
## 4 A87476 17
## 5 A15593 16.8
## 6 A05172 16.8
```

A36739 a la meilleure moyenne,