

Rapport interro

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chargement des packages

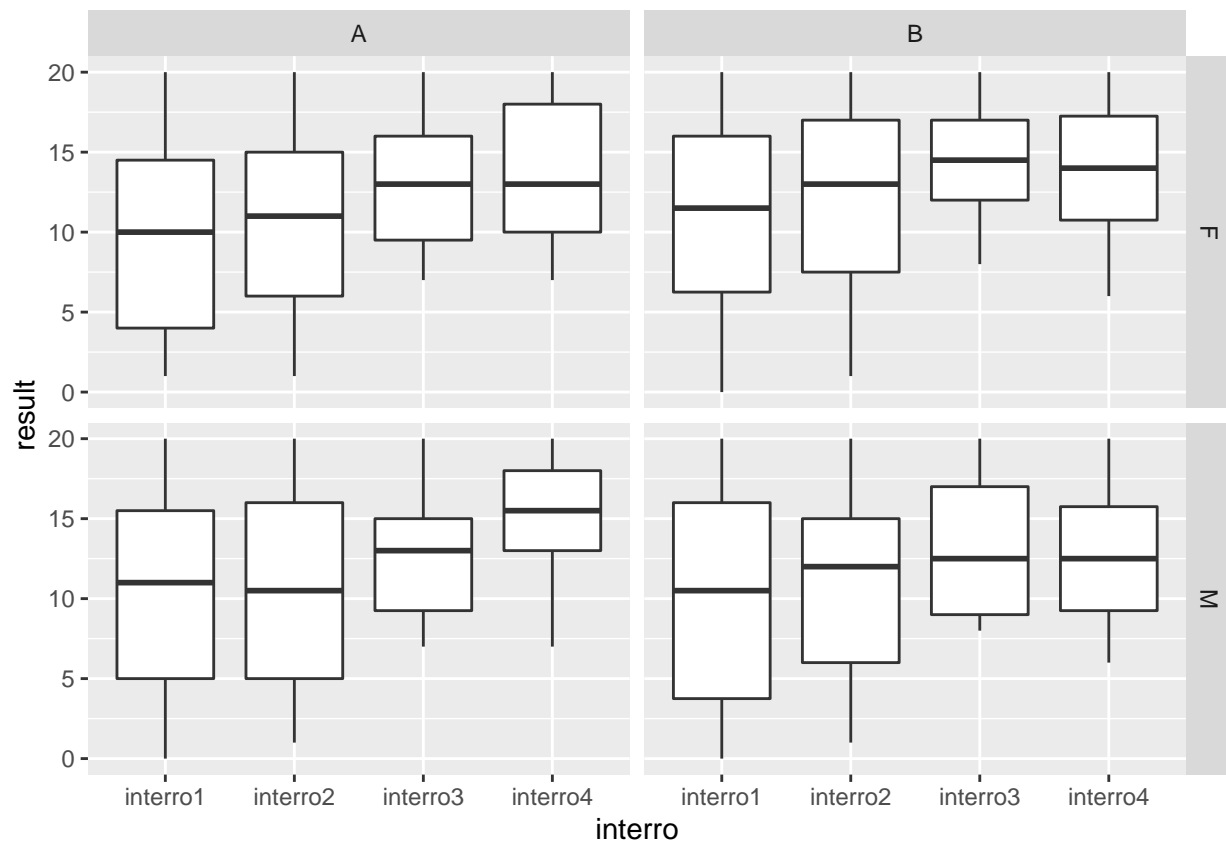
chargez les données le package rWSBIM1207 et interroL

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

Question 1 : boxplots

```
ggplot(interroL, aes(x = interro, y = result))+
  geom_boxplot()+
  facet_grid(gender ~ serie)
```

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



Question 2 : moyenne interros dans les deux séries

```
interroL %>%
  group_by(serie, interro) %>%
  summarise( m = mean(result, na.rm = TRUE))
```

`summarise()` has grouped output by 'serie'. You can override using the `.groups` argument.

```
## # A tibble: 8 x 3
## # Groups:   serie [2]
##   serie interro      m
##   <chr> <chr>    <dbl>
## 1 A     interro1  10
## 2 A     interro2 10.5
## 3 A     interro3 12.8
## 4 A     interro4 14.3
## 5 B     interro1 10.4
## 6 B     interro2 11.4
## 7 B     interro3 13.7
## 8 B     interro4 13.3
```

Question 3 : meilleure moyenne

```
interroL %>%
  group_by(id) %>%
```

```
summarise(m = mean(result, na.rm = TRUE)) %>%  
filter(m == max(m))
```

```
## # A tibble: 1 x 2  
##   id      m  
##   <fct> <dbl>  
## 1 A36739 19.2
```

```
interroL %>%  
  filter(id == "A36739") %>%  
  filter(!is.na(result)) %>%  
  nrow()
```

```
## [1] 4
```