

1 dataset, 10 dataviz

Pourquoi ?

How to Lie with Charts

By [Jack Dougherty](#), last updated March 25, 2017

One of the best ways to learn how to detect bias in data visualization is to intentionally manipulate a chart, and tell two (or more) opposing stories with the same data. You'll learn what to watch out for when viewing other people's charts, and think more carefully about the ethical issues when you design your own.

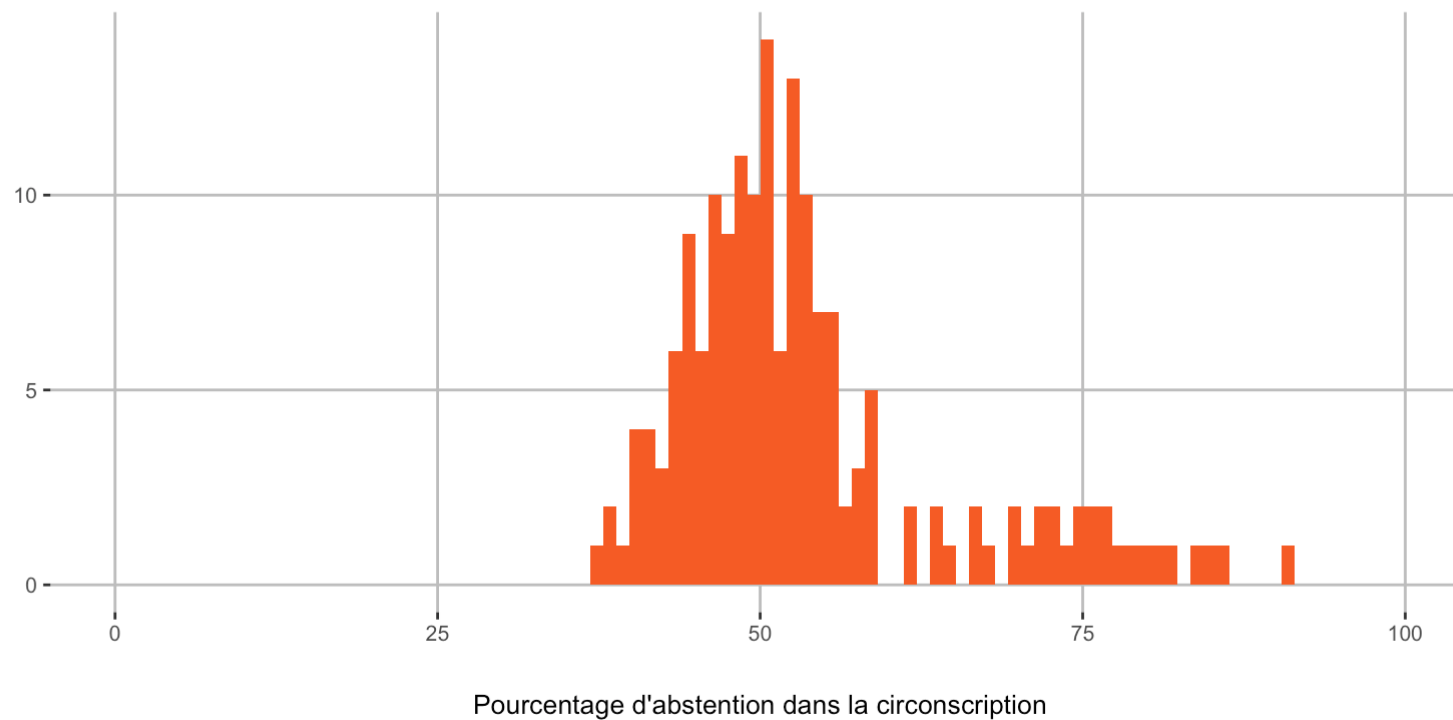
Le dataset

```
# devtools::install_github("ThinkRstat/legislatives2017")
legislatives2017::second_tour[1:5,]
```

```
## # A tibble: 5 x 21
##   code_dpt num_circ nom_dpt          nom_reg code_reg Inscrits
##   <chr>    <dbl>   <chr>          <chr>    <chr>    <dbl>
## 1      01        1   Ain Auvergne Rhone Alpes      84    82676
## 2      01        1   Ain Auvergne Rhone Alpes      84    82676
## 3      01        2   Ain Auvergne Rhone Alpes      84    93507
## 4      01        2   Ain Auvergne Rhone Alpes      84    93507
## 5      01        3   Ain Auvergne Rhone Alpes      84    75548
## # ... with 15 more variables: Abstentions <dbl>, Votants <dbl>,
## #   Blancs <dbl>, Nuls <dbl>, Exprimes <dbl>, candidat <chr>,
## #   Nuances <chr>, Voix <dbl>, p_inscrits <dbl>, p_exprimes <dbl>,
## #   resultat <chr>, civilite <chr>, Score <dbl>, p_abstentions <dbl>,
## #   ID <chr>
```

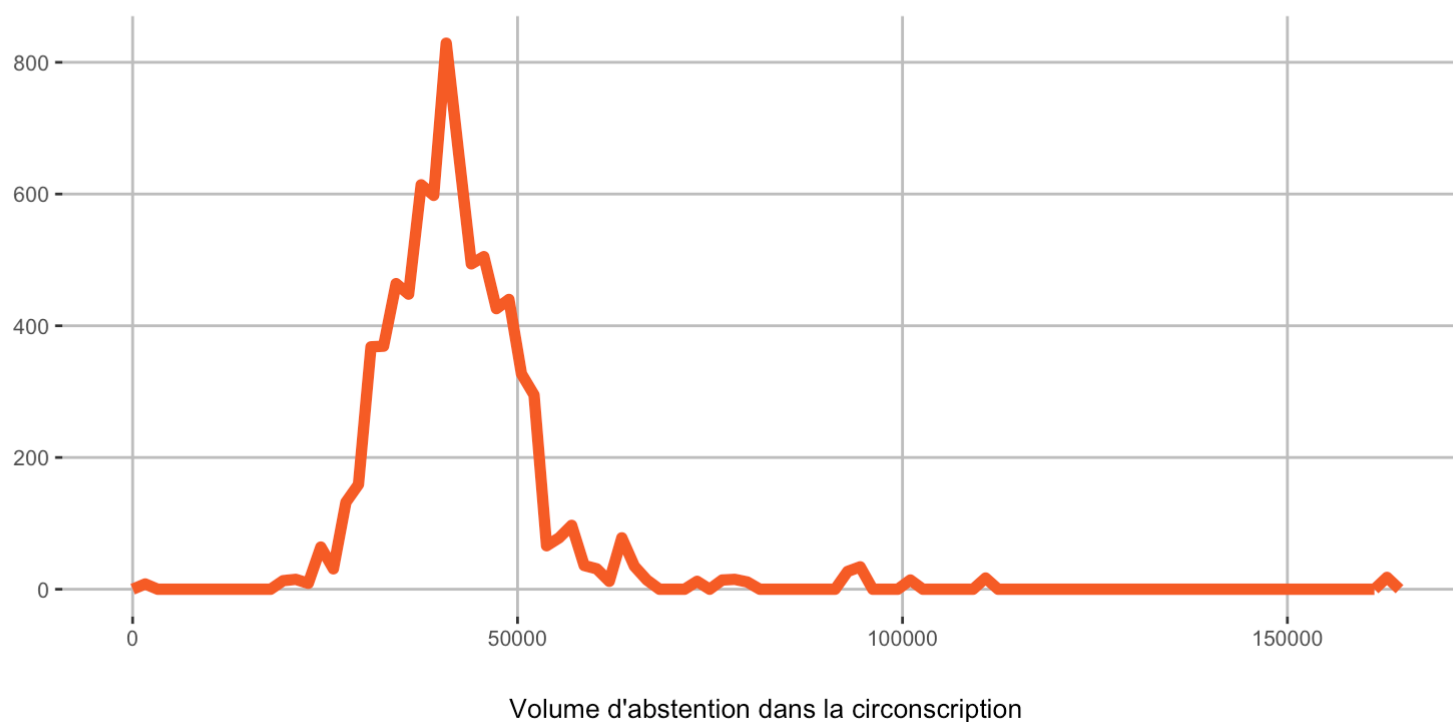
1. geom_hist()

L'abstention au premier tour des législatives 2017



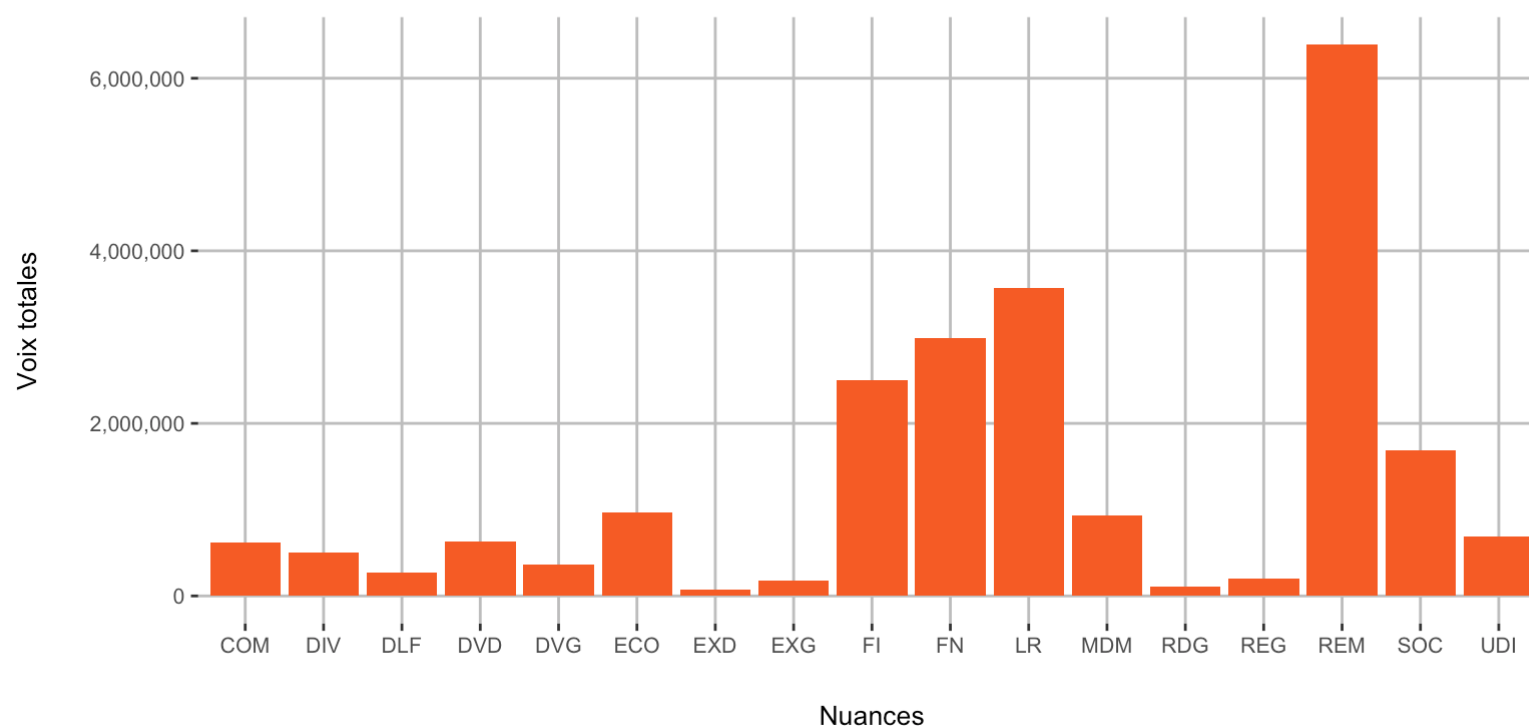
2. geom_freqpoly()

L'abstention au premier tour des législatives 2017



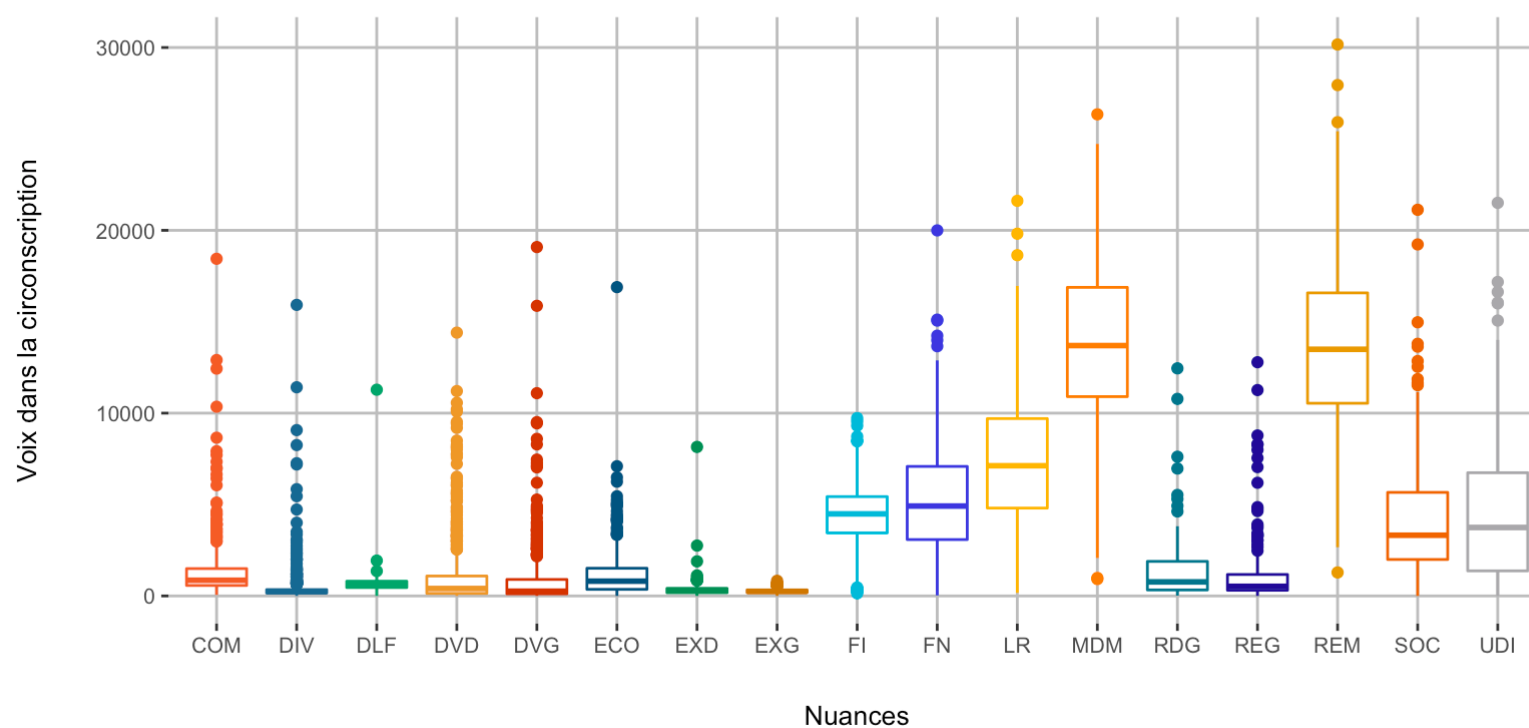
3. geom_bar()

Résultats du premier tour des législatives 2017



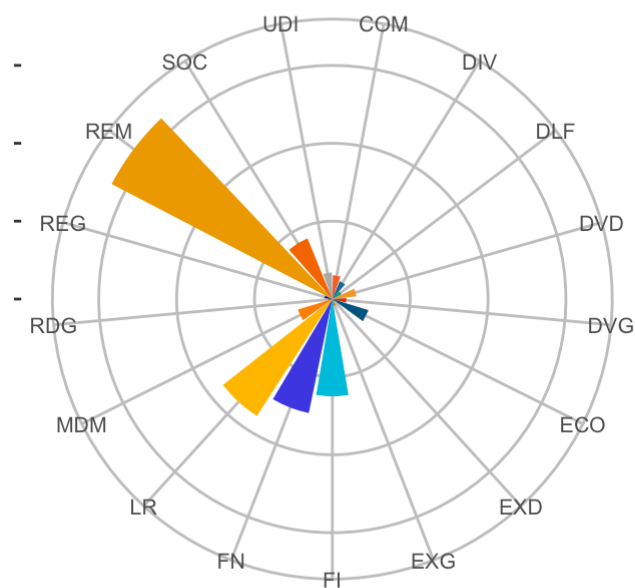
4. geom_boxplot()

Résultats du premier tour des législatives 2017

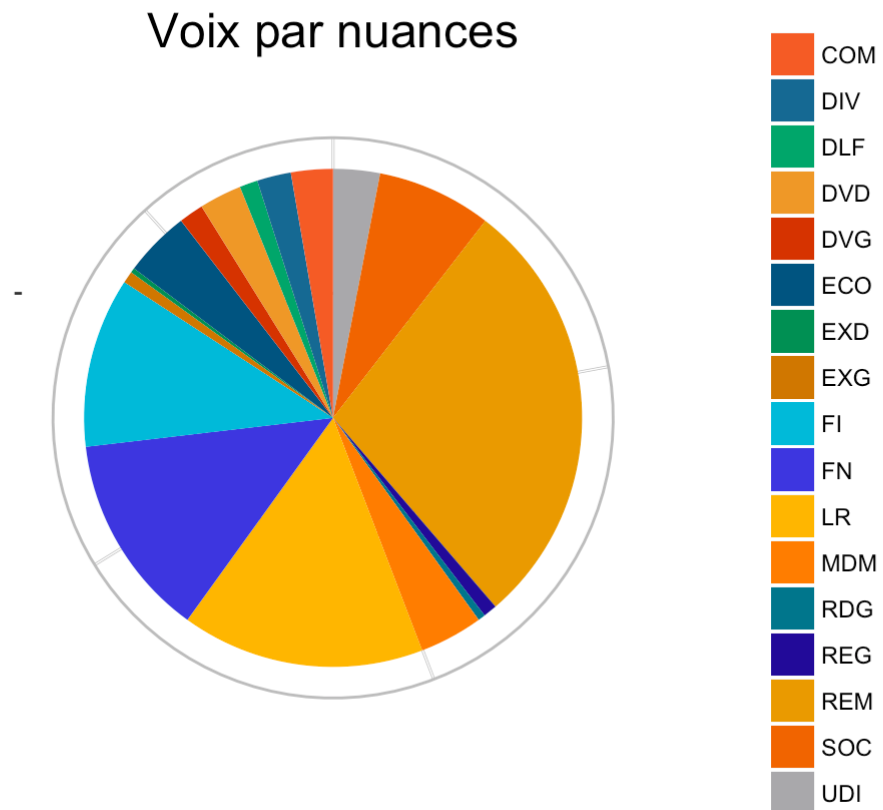


5. geom_bar() + coord_polar()

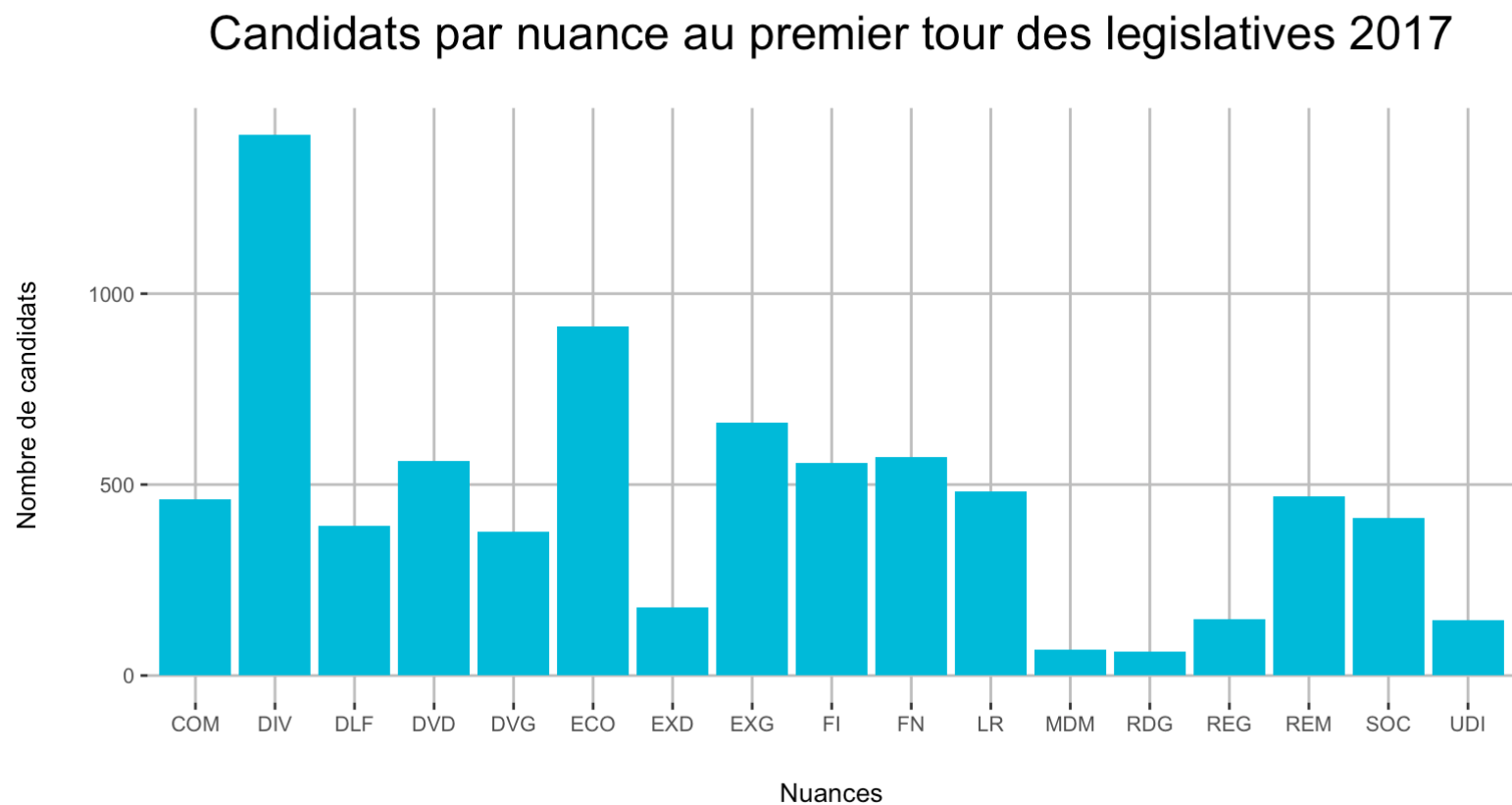
Voix par nuances au premier tour des législatives 2017



6. geom_bar() + coord_polar()

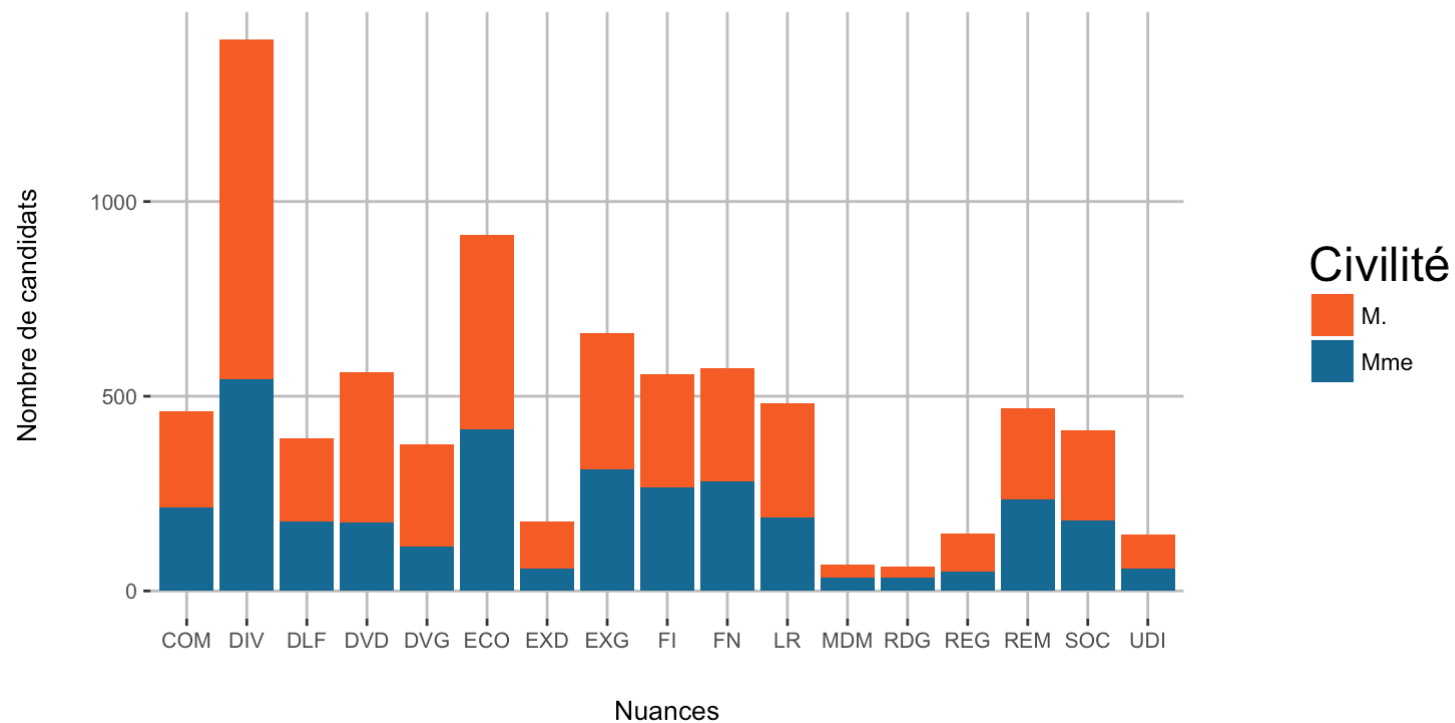


7. geom_bar()

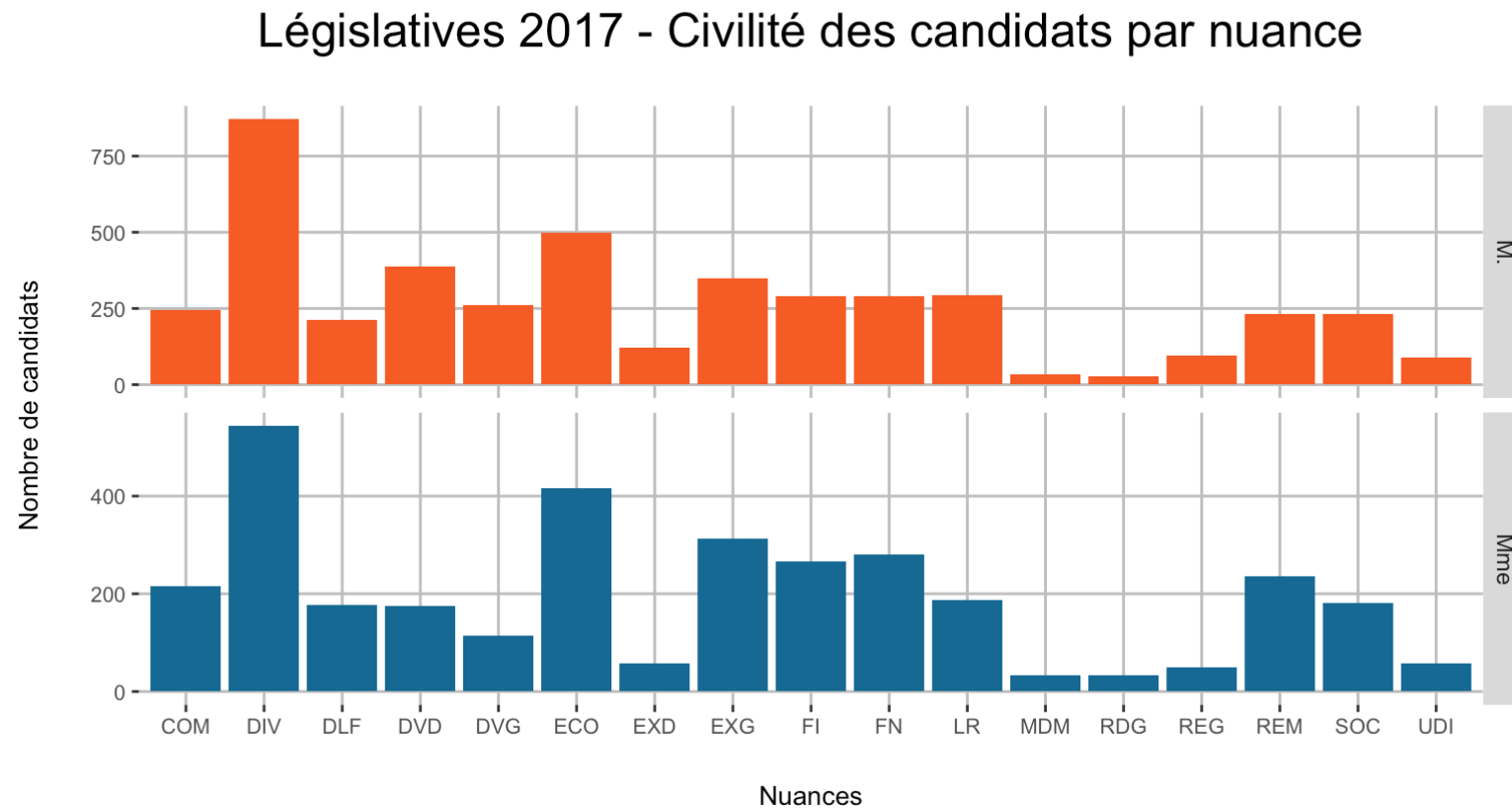


8. geom_bar(fill = civilite)

Candidats & civilité au premier tour des legislatives, par nuances



9. geom_bar() + facet_wrap(scales = "free_y")



10. geom_bar(position = "fill")

