One of the problems that we usually face with `ggplot` is that rearranging the bars in ascending or descending order. If that problem is solved using `reorder()` or `fct_reorder()`, the next problem is when we have facets and ordering bars within each facet.
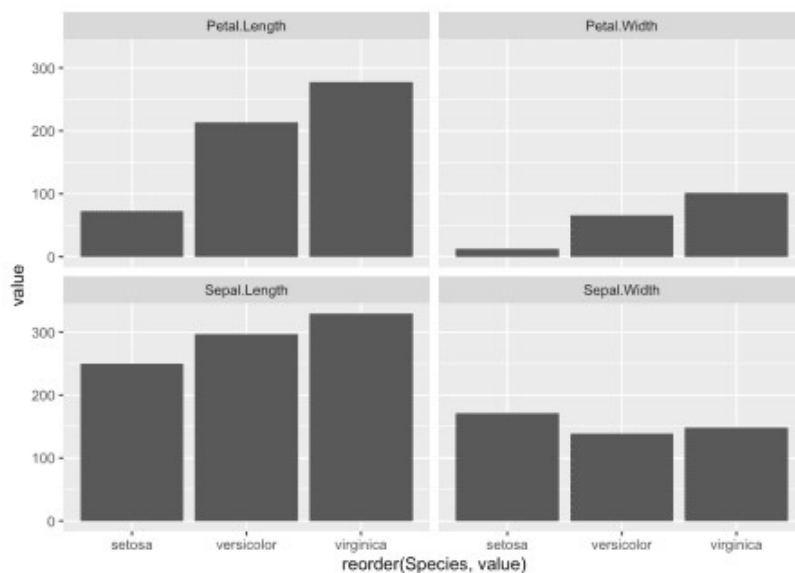
Recently I came acrosss this function `reorder_within()` from the package `tidytext` (Thanks to Julia Silge and Tyler Rinker – who created this solution originally)

Example Code:

```
library(tidyr)
library(ggplot2)

iris_gathered <- gather(iris, metric, value, -Species)

ggplot(iris_gathered, aes(reorder(Species, value), value)) +
  geom_bar(stat = 'identity') +
  facet_wrap(~ metric)
```
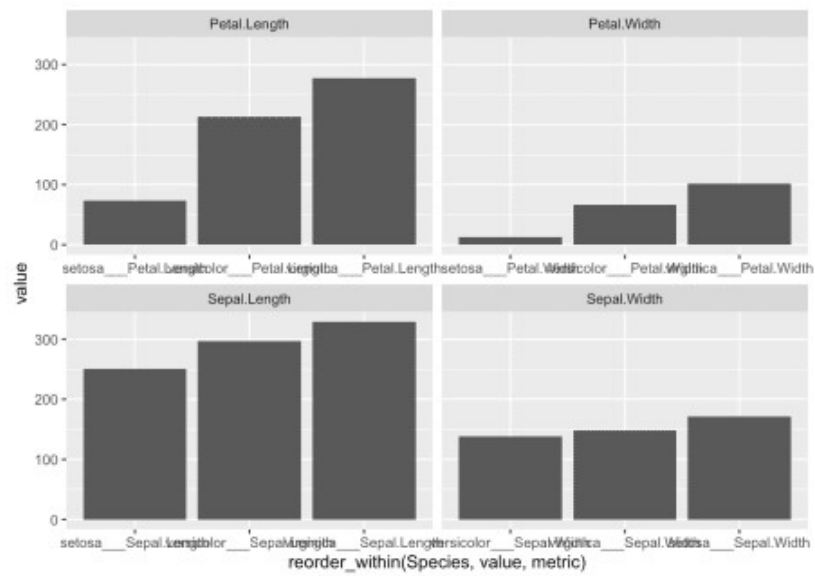

As you can see above, the bars in the last `facet` isn't ordered properly. This is a problem you wouldn't forget had you plotted TF_IDF or something similar with facets.

Here's the solution

```
library(tidytext)
# reorder_within and scale_x_reordered work.
# (Note that you need to set scales = "free_x" in the facet)
ggplot(iris_gathered, aes(reorder_within(Species, value, metric), value)) +
   geom_bar(stat = 'identity') +
  #scale_x_reordered() +
  facet_wrap(~ metric, scales = "free_x")
```

Now, that's beautifully done with a change in function.