Best MPG by transmission type

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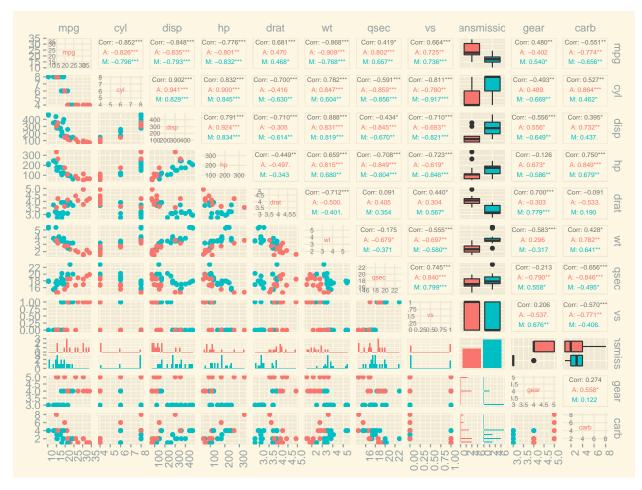
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The data

The editors have been kind enough to send us a wonderful dataset from the latest cars in the known universe (1973-1974), wich will allow us to see, FINALLY, which transmission type is better for our wallet!

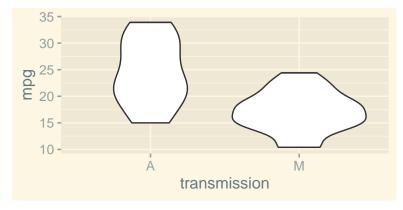
You can see it in all its glory bellow:

Now that is a lot of variables. We need to see how good (or bad), do those correlate with each other.



So there we can see a lot of correlated variables. So, what might be interesting here? For one, most of the variable exhibit some sort of correlation, ranging from weak to strong, to Miles per Gallon.

However, we are most interested here in determining the impact of the transmission type to the miles per gallon. So that's where we will start our iterative process and build up from that.



R Markdown

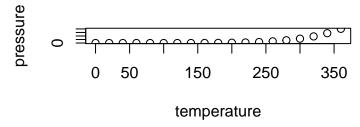
This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
##
       speed
                      dist
##
   Min.
         : 4.0
                 Min.
                       : 2.00
##
   1st Qu.:12.0
                  1st Qu.: 26.00
##
  Median:15.0
                 Median : 36.00
                 Mean : 42.98
  Mean
         :15.4
## 3rd Qu.:19.0
                 3rd Qu.: 56.00
## Max.
          :25.0
                 Max. :120.00
```

Including Plots

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.