unknown

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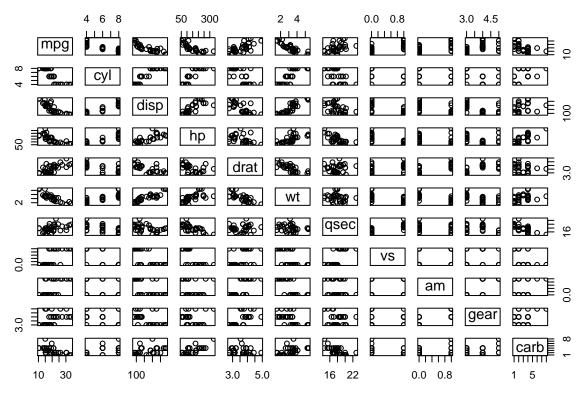
This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

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:

summary(mtcars)

```
##
         mpg
                           cyl
                                             disp
                                                                hp
##
            :10.40
                              :4.000
                                               : 71.1
                                                                 : 52.0
    Min.
                     Min.
                                       Min.
                                                         Min.
    1st Qu.:15.43
                     1st Qu.:4.000
                                       1st Qu.:120.8
                                                         1st Qu.: 96.5
##
                                       Median :196.3
##
    Median :19.20
                     Median :6.000
                                                         Median :123.0
                              :6.188
##
    Mean
            :20.09
                     Mean
                                       Mean
                                               :230.7
                                                         Mean
                                                                 :146.7
##
    3rd Qu.:22.80
                     3rd Qu.:8.000
                                       3rd Qu.:326.0
                                                         3rd Qu.:180.0
##
    Max.
            :33.90
                     Max.
                              :8.000
                                       Max.
                                               :472.0
                                                         Max.
                                                                 :335.0
##
         drat
                            wt
                                             qsec
                                                                vs
##
    Min.
            :2.760
                     Min.
                              :1.513
                                       Min.
                                               :14.50
                                                                 :0.0000
                                                         Min.
    1st Qu.:3.080
                     1st Qu.:2.581
                                       1st Qu.:16.89
                                                         1st Qu.:0.0000
##
##
    Median :3.695
                     Median :3.325
                                       Median :17.71
                                                         Median :0.0000
##
    Mean
            :3.597
                     Mean
                              :3.217
                                       Mean
                                               :17.85
                                                         Mean
                                                                 :0.4375
                                       3rd Qu.:18.90
##
    3rd Qu.:3.920
                     3rd Qu.:3.610
                                                         3rd Qu.:1.0000
##
    Max.
            :4.930
                     Max.
                              :5.424
                                       Max.
                                               :22.90
                                                         Max.
                                                                 :1.0000
##
                                              carb
                            gear
           am
##
    Min.
            :0.0000
                       Min.
                               :3.000
                                        Min.
                                                :1.000
    1st Qu.:0.0000
                       1st Qu.:3.000
                                        1st Qu.:2.000
##
##
    Median : 0.0000
                       Median :4.000
                                        Median :2.000
    Mean
##
            :0.4062
                       Mean
                               :3.688
                                        Mean
                                                :2.812
    3rd Qu.:1.0000
                       3rd Qu.:4.000
                                        3rd Qu.:4.000
                               :5.000
                                                :8.000
##
    Max.
            :1.0000
                       Max.
                                        Max.
```

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.