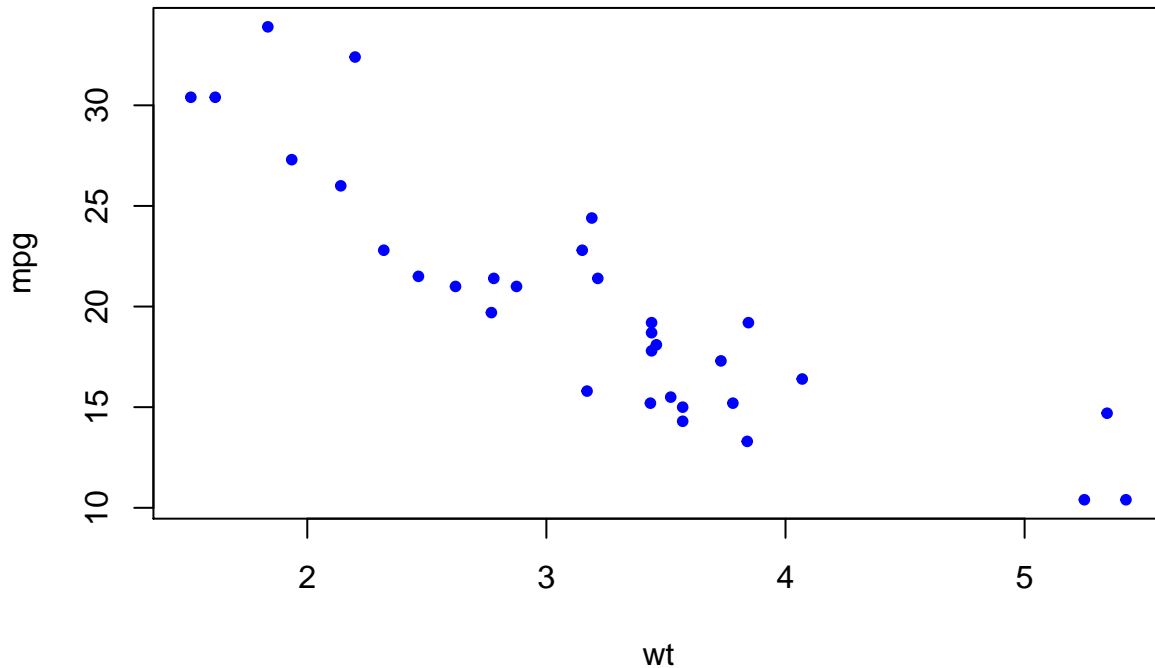# R Markdown Tutorial

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This tutorial was developed to introduce DARA Team members to R Markdown. It focuses on topics relevant to what we do in the FOCAL lab, emphasizing the skills we will need to generate reports. I will not go over the basics of the `Markdown` markup language. That is covered well in the help files, which can be accessed by clikcin the '?' in the menu of an R Markdown document.

	gear		
cyl	3	4	5
4	1	8	2
6	2	4	1
8	12	0	2

I read this really cool article the other day (Kim et al., 2014).

C. E. Cameron et al. (2012) said some cool stuff.

Tables!

```
## % latex table generated in R 3.1.2 by xtable 1.7-4 package
## % Mon Feb 23 13:15:32 2015
## {\footnotesize
## \begin{longtable}{lrrrrrrrrrr}
##  \textbf{Variable} & $\mathbf{n}$ & \textbf{Min} & $\mathbf{q_1}$ & $\mathbf{\widetilde{x}}$ & $\mat
##   \hline
## mpg & 32 & 10.4 &  15.4 &  19.2 &  20.1 &  22.8 &  33.9 &   6.0 &   7.4 & 0 \\
##   cyl & 32 &  4.0 &   4.0 &   6.0 &   6.2 &   8.0 &   8.0 &   1.8 &   4.0 & 0 \\
##    disp & 32 & 71.1 & 120.8 & 196.3 & 230.7 & 326.0 & 472.0 & 123.9 & 205.2 & 0 \\
```

```
##    hp & 32 & 52.0 &  96.5 & 123.0 & 146.7 & 180.0 & 335.0 &  68.6 &  83.5 & 0 \\
##    drat & 32 &  2.8 &   3.1 &   3.7 &   3.6 &   3.9 &   4.9 &   0.5 &   0.8 & 0 \\
##    wt & 32 &  1.5 &   2.6 &   3.3 &   3.2 &   3.6 &   5.4 &   1.0 &   1.0 & 0 \\
##    qsec & 32 & 14.5 &  16.9 &  17.7 &  17.8 &  18.9 &  22.9 &   1.8 &   2.0 & 0 \\
##    vs & 32 &  0.0 &   0.0 &   0.0 &   0.4 &   1.0 &   1.0 &   0.5 &   1.0 & 0 \\
##    am & 32 &  0.0 &   0.0 &   0.0 &   0.4 &   1.0 &   1.0 &   0.5 &   1.0 & 0 \\
##    gear & 32 &  3.0 &   3.0 &   4.0 &   3.7 &   4.0 &   5.0 &   0.7 &   1.0 & 0 \\
##    carb & 32 &  1.0 &   2.0 &   2.0 &   2.8 &   4.0 &   8.0 &   1.6 &   2.0 & 0 \\
##    \hline
## \caption{}
## \label{}
## \end{longtable}
## }
```

References

Cameron, C. E., Brock, L. L., Murrah, W. M., Bell, L. H., Worzalla, S. L., Grissmer, D., & Morrison, F. J. (2012). Fine motor skills and executive function both contribute to kindergarten achievement. *Child Development*, *83*(4), 1229–1244. doi:10.1111/j.1467-8624.2012.01768.x

Kim, H., Murrah, W. M., Cameron, C. E., Brock, L. L., Cottone, E. A., & Grissmer, D. (2014). Psychometric properties of the teacher-reported motor skills rating scale. *Journal of Psychoeducational Assessment*, 0734282914551536.