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:

```r
library(stringr)
library(plyr)
library(pander)

bl = read.csv("http://www.aejaffe.com/winterR_2016/data/Bike_Lanes.csv", as.is =TRUE)
bl2 = bl
bl2$numLanes = factor(bl2$numLanes)
mod2 = lm(length ~ numLanes, data = bl2)
mod = lm(length ~ factor(numLanes), data = bl)
smod = summary(mod)
cl = confint(mod)
mat = cbind(smod$coefficients[, "Estimate"], cl)
mat = data.frame(mat)
colnames(mat) = c("Beta", "Lower", "Upper")
mat$CI = paste0("\(^{\text{,}}\)", round(mat$Lower, 2),
", "", round(mat$Upper, 2), ")")
mat = mat[, c("Beta", "CI")]
mat$Variable = rownames(mat)
rownames(mat) = NULL
mat$Variable = str_replace(mat$Variable, fixed("factor(numLanes)"), "Number of Lanes: ")
mat = mat[, c("Variable", "Beta", "CI")]
mat$Variable = pplyr::revalue(mat$Variable, c("(Intercept)" = "B0"))
```

I am a section

I am a subsection

<table>
<thead>
<tr>
<th>Variable</th>
<th>Beta</th>
<th>CI</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0</td>
<td>308.4</td>
<td>(189.53, 427.22)</td>
</tr>
<tr>
<td>Variable</td>
<td>Beta</td>
<td>CI</td>
</tr>
<tr>
<td>---------------------------</td>
<td>--------</td>
<td>---------------</td>
</tr>
<tr>
<td>Number of Lanes: 1</td>
<td>-30.48</td>
<td>(-150.7, 89.75)</td>
</tr>
<tr>
<td>Number of Lanes: 2</td>
<td>-50.83</td>
<td>(-171.42, 69.76)</td>
</tr>
</tbody>
</table>

You can also embed plots, for example:
My number of cars are 50.

```r
pvals = smod$coefficients[, \"Pr(>|t|)\"]
pvals = ifelse(pvals < 0.001, \"< 0.001\", round(pvals, 2))
```

The beta coefficient was significant (308.3767969, \(p < 0.001\))

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