

# R markdown notebook taking example

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## Introduction

This is a R Markdown example demonstrating using GitHub to render R Markdown as a method of keeping lab notebooks or record of exploratory data. This example of plotting is adapted from Index of `ggplot2` page of boxplot and Index of `ggplot2` facet grid.

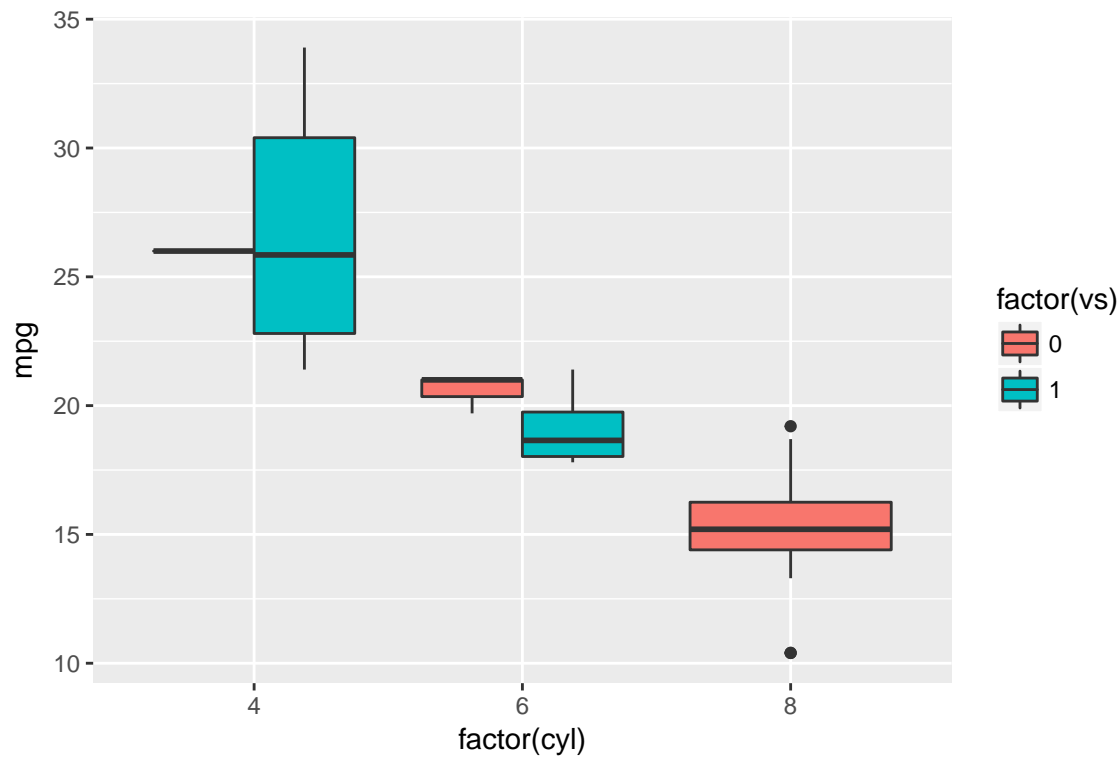
## R Markdown

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:

## Example of boxplot plotting

```
library(ggplot2)
p <- ggplot(mtcars, aes(factor(cyl), mpg))
p + geom_boxplot(aes(fill = factor(vs)))
```



Inserted here is an example of  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$  rendering equation. The next figure is plotting `mtcars` data set with facet of:

$$(carb \sim gear)$$

```
p <- ggplot(mtcars, aes(factor(cyl), mpg))
p + geom_boxplot(aes(fill = factor(vs))) + facet_grid(carb ~ gear)
```

