Untitled

Abhijit Dasgupta

11/28/2017

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:
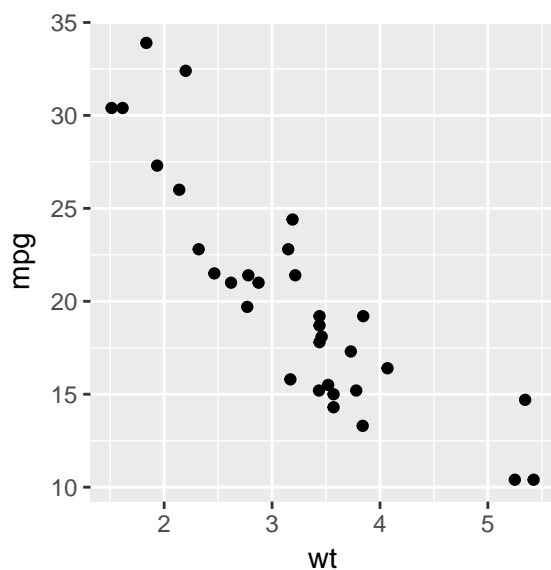
```
knitr::kable(head(mtcars))
```

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21.0	6	160	110	3.90	2.620	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.320	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44	1	0	3	1
Hornet Sportabout	18.7	8	360	175	3.15	3.440	17.02	0	0	3	2
Valiant	18.1	6	225	105	2.76	3.460	20.22	1	0	3	1

Including Plots

You can also embed plots, for example:

```
library(ggplot2)
ggplot(mtcars, aes(wt, mpg))+geom_point()
```


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

```r
library(tidyverse)

lm(mpg~wt, data=mtcars)
```

```
##
## Call:
## lm(formula = mpg ~ wt, data = mtcars)
##
## Coefficients:
## (Intercept)           wt
##       37.285        -5.344
```

```r
broom::tidy(lm(mpg~wt, data=mtcars))
```

```
##          term   estimate  std.error  statistic      p.value
## 1 (Intercept) 37.285126   1.877627  19.857575 8.241799e-19
## 2          wt -5.344472   0.559101  -9.559044 1.293959e-10
```

```r
lm(mpg~wt, data = mtcars) %>%
  broom::tidy() %>%
  knitr::kable()
```

term	estimate	std.error	statistic	p.value
(Intercept)	37.285126	1.877627	19.857575	0
wt	-5.344472	0.559101	-9.559044	0

You can also add R code inline: The average fuel efficiency of the cars is 20.09 MPG.