

Intro to R Markdown

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Contents

1	R Markdown	1
2	Code	1
3	Equations	2
4	Displaying code	2

1 R Markdown

This is a Markdown document in RStudio.

You can “knit” it as an html, pdf, word, or slides, but the general layout remains the same. It is a great way to distribute finalized code and findings, especially on GitHub since there is a nice, GitHub compatible .md document that makes it easy to see and understand code/ research.

2 Code

Here is a chunk of code that I will include in my report:

```
str(cars)
```

```
## 'data.frame':   50 obs. of  2 variables:
## $ speed: num  4 4 7 7 8 9 10 10 10 11 ...
## $ dist : num  2 10 4 22 16 10 18 26 34 17 ...
```

```
head(cars)
```

```
##   speed dist
## 1     4    2
## 2     4   10
## 3     7    4
## 4     7   22
## 5     8   16
## 6     9   10
```

```
mean(cars$speed)
```

```
## [1] 15.4
```

```
mean(cars$dist)
```

```
## [1] 42.98
```

3 Equations

You can also embed mathematical equations like this:

Add 3 and 5:

$$3 + 5 = 8$$

.

4 Displaying code

You can customize how code and results show up in your .Rmd.

- `eval = FALSE` shows code, doesn't evaluate so no results
- `echo = FALSE` hides code, shows results
- `message = FALSE` hides messages, shows and evaluates code

For example.

- `eval = FALSE`

```
str(cars)
```

- `echo = FALSE`

```
## 'data.frame':   50 obs. of  2 variables:
## $ speed: num  4 4 7 7 8 9 10 10 10 11 ...
## $ dist : num  2 10 4 22 16 10 18 26 34 17 ...
```