

MyFirstRMarkdownProject

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Introduction

Why learn R?

- For fun
- Gaining experience in data science
- Getting a feel for a different data tool

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:

Structure of dataframe Cars

```
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 ...
```

Summary of cars dataframe

```
summary(cars)
```

```
##      speed      dist
## Min.   : 4.0    Min.   : 2.00
## 1st Qu.:12.0    1st Qu.: 26.00
## Median :15.0    Median : 36.00
## Mean   :15.4    Mean   : 42.98
## 3rd Qu.:19.0    3rd Qu.: 56.00
## Max.   :25.0    Max.   :120.00
```

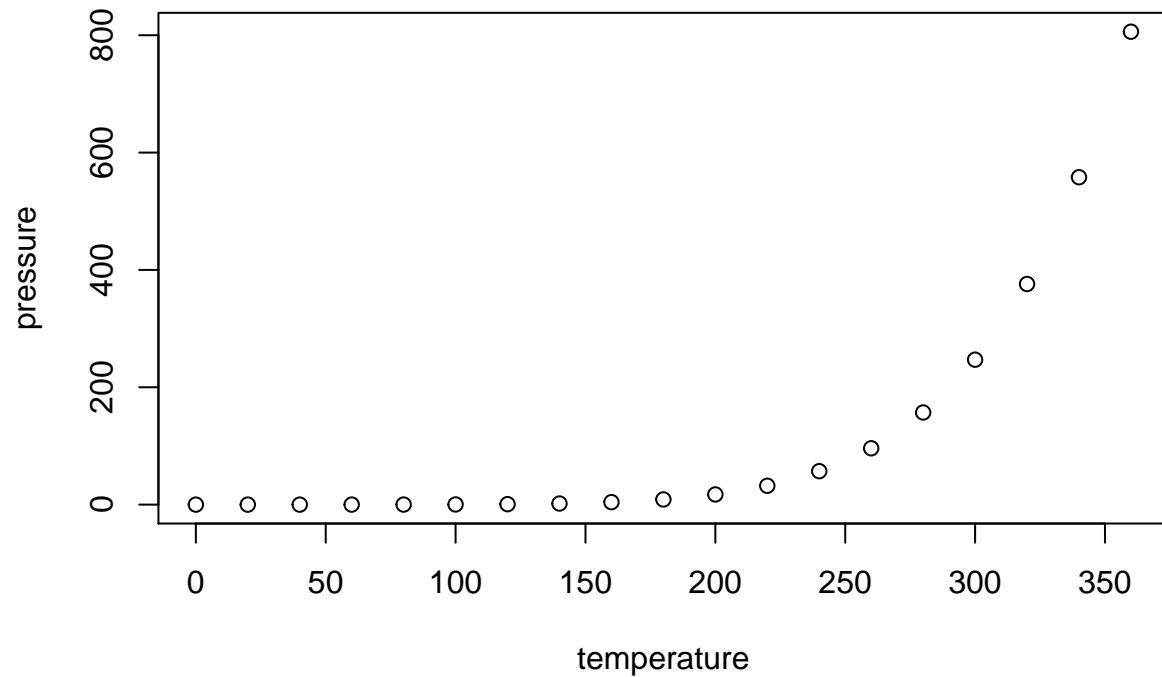
Summary of pressure dataframe

```
summary(pressure)
```

```
##      temperature      pressure
## Min.   : 0    Min.   : 0.0002
## 1st Qu.: 90    1st Qu.: 0.1800
## Median :180    Median : 8.8000
## Mean   :180    Mean   :124.3367
## 3rd Qu.:270    3rd Qu.:126.5000
## Max.   :360    Max.   :806.0000
```

Including Plots

You can also embed plots, for example:



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