My First Report

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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.
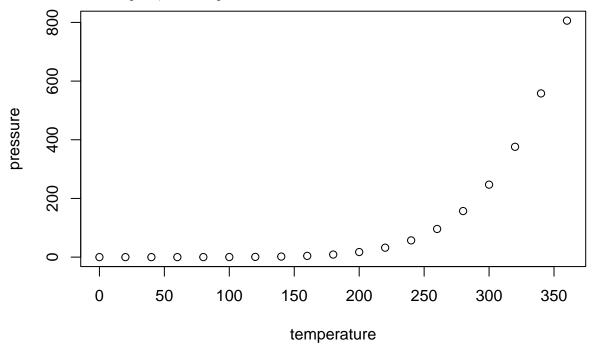
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
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
```

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.

Xie recommends using BibTex databases because they work better when the output is LaTeX/PDF. For example, number theory is important.(Borevich and Shafarevich 1986) Numbers like $1, 2, ...n$ are natural numbers.(Hua 2012) You can use Zotero to organize your sources and then export the citations to `sources.bib` as specified in the front or "YAML" matter. Additionally, the `citr` package can automate insertion of the reference.

References

Borevich, Zenon Ivanovich, and Igor Rostislavovich Shafarevich. 1986. *Number Theory*. Academic press.

Hua, L-K. 2012. *Introduction to Number Theory*. Springer Science & Business Media.

R Core Team. 2019. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. https://www.R-project.org.