

hello world

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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>.

This is a reference Xie et al. (2018).

You may want to cite references in different formats depending on the surrounding sentential context, e.g.:

Casillas, in her (2022) course, states that Rmarkdown is awesome.

Rmarkdown is awesome (Casillas, 2021a, 2022; Xie et al., 2018)

Rmarkdown is awesome (Casillas, 2022; e.g., Xie et al., 2018)

Rmarkdown is awesome (e.g., smooth workflow; Xie et al., 2018; see also Casillas, 2022)

Same-year, same-author publications are automatically disambiguated (e.g., Casillas, 2021a, 2021b)

We learned all about ggplot (see Wickham & Grolemund, 2016, ch. 1)

We learned about ggplot with Wickham & Grolemund (2016, ch. 1)

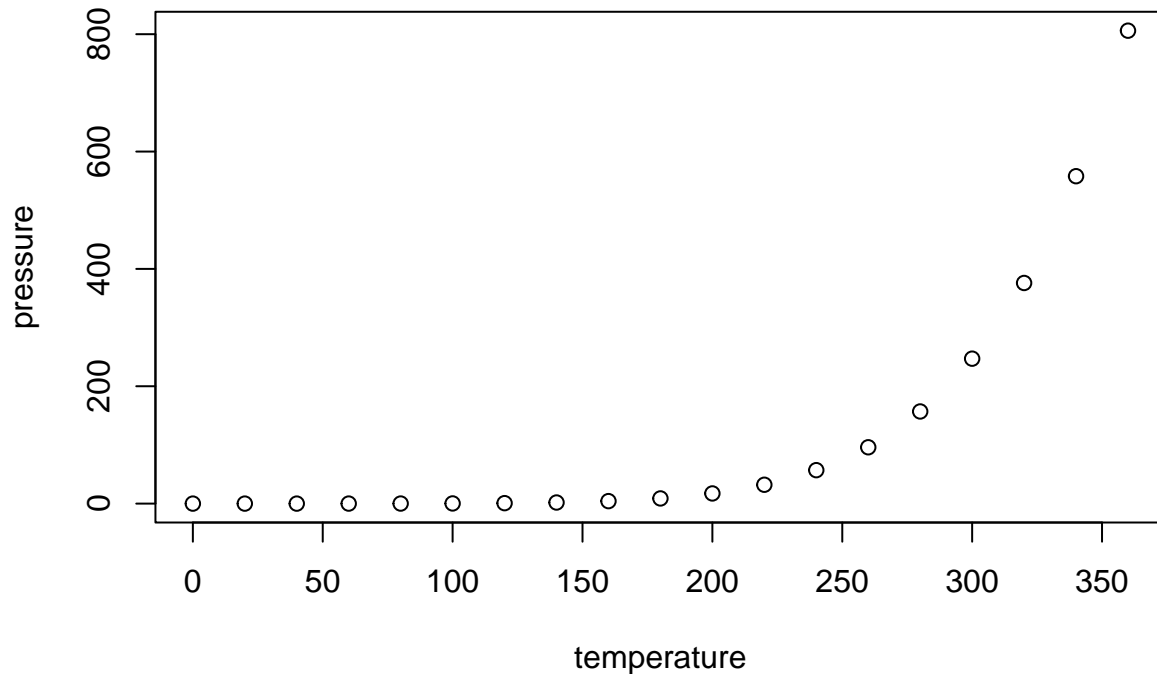
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
# I just need a basic overview
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.

## References

- Casillas, M. (2021a). *Reproducible science is great*. Various manuscripts.
- Casillas, M. (2021b). *What a productive year*. Two publications!!
- Casillas, M. (2022). *From Data to Manuscript in R*. UChicago coursework.
- Douglas, A., Roos, D., Mancini, F., Couto, A., & Lusseau, D. (2022). *An Introduction to R*. <https://intro2r.com/>.
- Tierney, N. J. (2020). *RMarkdown for Scientists*. <https://rmd4sci.njtierney.com/>.
- Wickham, H., & Grolemund, G. (2016). *R for data science: Import, tidy, transform, visualize, and model data*. O'Reilly Media, Inc.
- Xie, Y., Allaire, J. J., & Grolemund, G. (2018). *R markdown: The definitive guide*. Chapman; Hall/CRC.