DataVisualization

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.

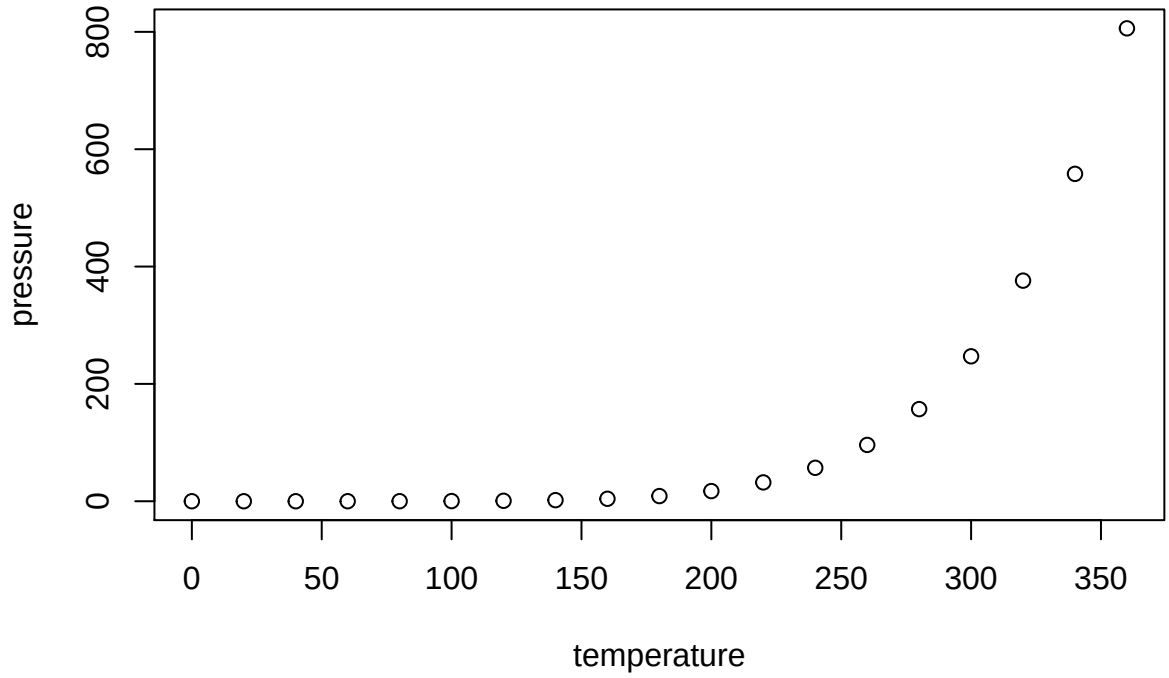
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
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.

install.packages("tidyverse") library(tidyverse) #install remotes install.packages("remotes")

#install data remotes::install_github("allisonhorst/palmerpenguins") library(palmerpenguins) glimpse(penguins)

#exploring import unique(penguins*species*)*unique*(*penguins*island)

#Penguin size plot for each species ggplot(data = penguins, aes(x = flipper_length_mm, y = body_mass_g)) + geom_point(aes(color = species, shape = species), size = 3, alpha = 0.8) + #theme_minimal() + scale_color_manual(values = c("darkorange","purple","cyan4")) + labs(title = "Penguin Size", subtitle = "Flipper Length and Body mass for Antarctic Penguin Species", x = "Flipper Length (mm)", y = "Body Mass (g)", color = "Penguin Species", shape = "Penguin species") + theme_minimal()

#Penguin size plot for each island and species ggplot(data = penguins, aes(x = flipper_length_mm, y = body_mass_g)) + geom_point(aes(color = island, shape = species), size = 3, alpha = 0.8) + #theme_minimal() + scale_color_manual(values = c("darkorange","purple","cyan4")) + labs(title = "Penguin Size", subtitle = "Flipper Length and Body mass for each Species and Island", x = "Flipper Length (mm)", y = "Body Mass (g)", color = "Penguin Island", shape = "Penguin species") + theme_minimal()