07.15_PalmerPenguins_DataAnalysis_Vasquez

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.

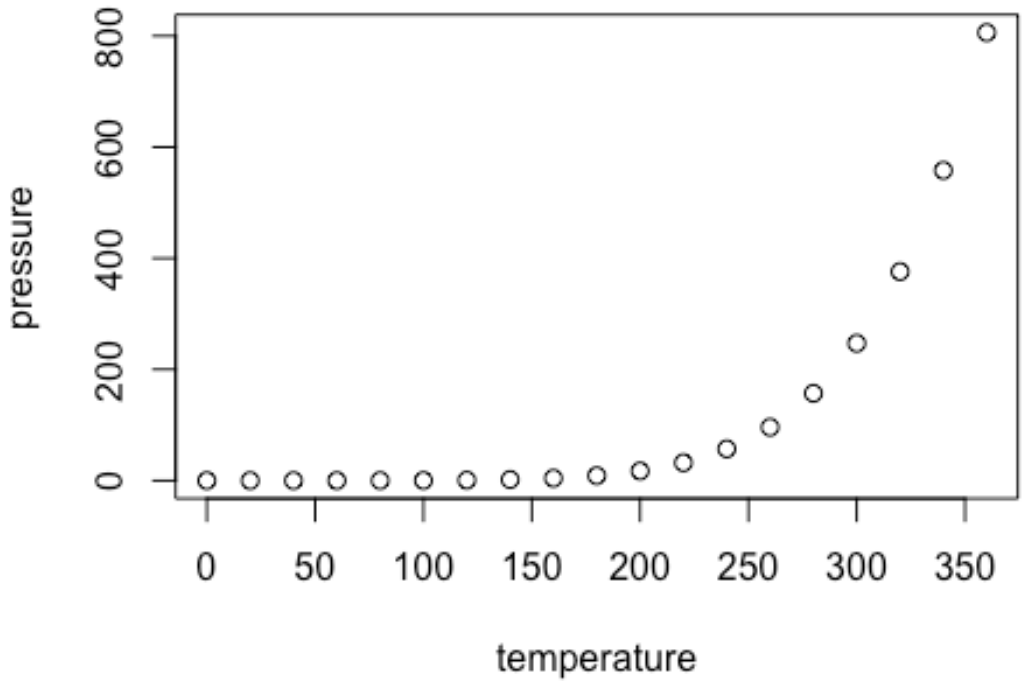
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
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.

#Adria Vasquez #Data Analysis

#Data library(remotes) remotes::install_github("allisonhorst/palmerpenguins") library(palmerpenguins) library(tidyverse)

#Variable class class(penguins$species)$class(penguins$sex)
class(penguins$island)$class(penguins$body_mass_g)
class(penguins$flipper_length_mm)$class(penguins$bill_length_mm)
class(penguins$bill_depth_mm)

#Variable levels levels(penguins$species)$levels(penguins$sex)
levels(penguins$island)$levels(penguins$body_mass_g)
levels(penguins$flipper_length_mm)$levels(penguins$bill_length_mm)
levels(penguins$bill_depth_mm)

#Bar grapth counts > colorblind palettes penguins %>% count(species) %>% ggplot() + geom_col(aes(x = species, y= n, fill = species)) + geom_label(aes(x = species, y = n, label = n)) + scale_fill_manual(values = c("#009E73", "#CC79A7", "gray")) + theme_minimal() + labs(title = "Counting Penguin Species")

#Summary summary(penguins) summary(penguins$species)summary(penguins$sex) summary(penguins$island)summary(penguins$body_mass_g) summary(penguins$flipper_length_mm)summary(penguins$bill_length_mm) summary(penguins$bill_depth_mm)