LightningTalkData

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:

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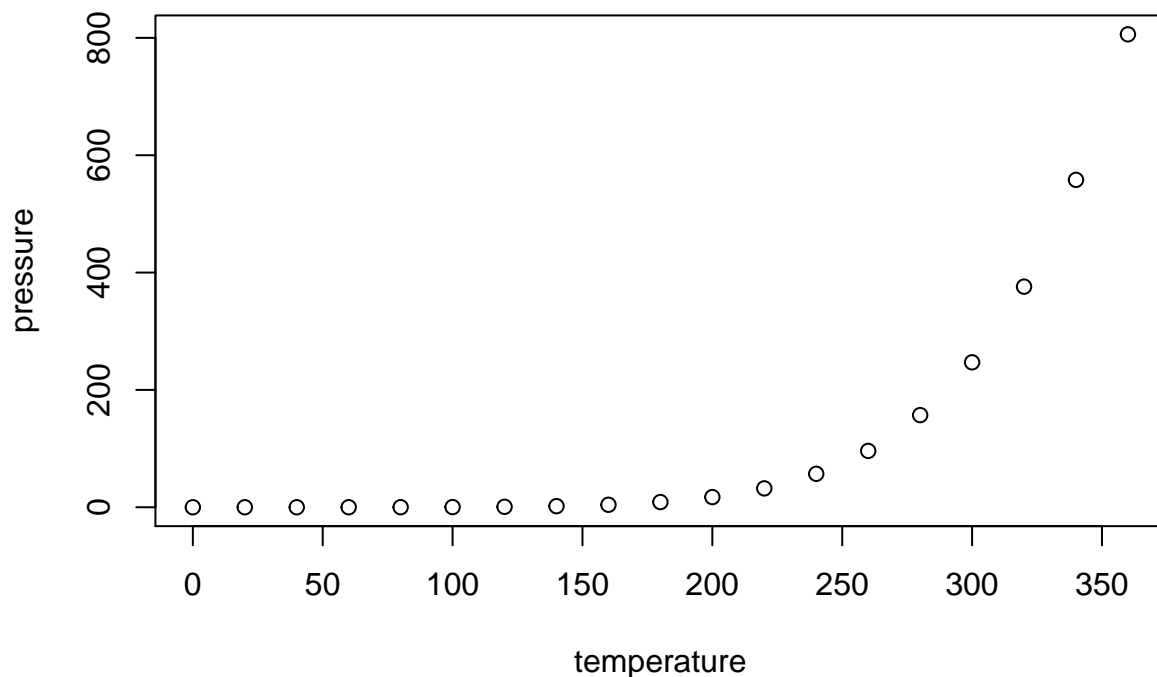
Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

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

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

penguins%>% count(species)

#Bill size plot for penguin species ggplot(data = penguins, aes(x = bill_length_mm, y = bill_depth_mm)) + geom_point(aes(color = species), size = 3, alpha = 0.8) + #theme_minimal() + scale_color_manual(values = c("darkorange","purple","cyan4")) + labs(title = "Penguin Bill Length and Depth", subtitle = "Bill Length and Depth for Each Penguin Species", x = "Bill Length (mm)", y = "Bill Depth (mm)", color = "Penguin Species", shape = "Penguin species") + theme_minimal()

penguins%>% count(species)

#Bill size plot for sex and penguin species ggplot(data = penguins, aes(x = bill_length_mm, y = bill_depth_mm)) + geom_point(aes(color = sex, shape = species), size = 3, alpha = 0.8) + #theme_minimal() + scale_color_manual(values = c("red","blue")) + labs(title = "Penguin Bill Length and Depth", subtitle = "Bill Length and Depth for different sexes", x = "Bill Length (mm)", y = "Bill Depth (mm)", color = "Penguin Sex", shape = "Penguin species") + theme_minimal()