Recititation

Bobby Current

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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:

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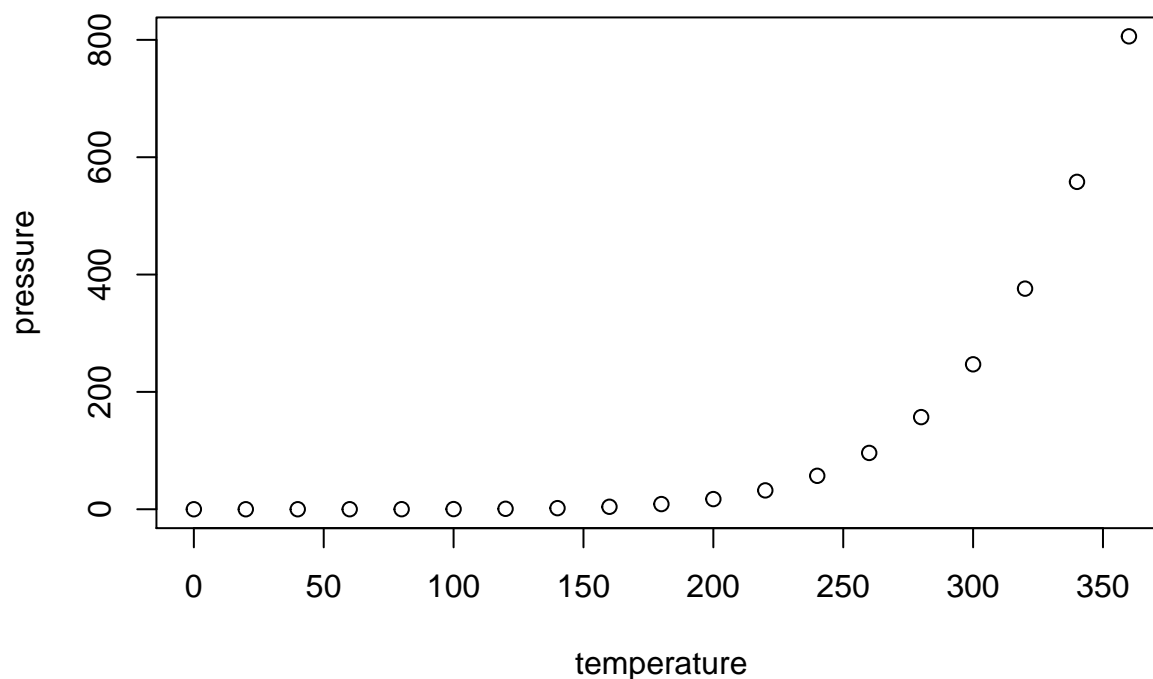
Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

```r
library(tidyverse)
```

```
## -- Attaching packages ------------------ tidyverse 1.3.0 --
```

```
## v ggplot2 3.3.2     v purrr   0.3.4
## v tibble  3.0.3     v dplyr   1.0.2
## v tidyr   1.1.2     v stringr 1.4.0
## v readr   1.3.1     v forcats 0.5.0
```

```
## -- Conflicts -------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```r
library(tidycensus)
#census_api_key("d7d4e42cde98b3f36a49086285318a4299967aec", install = TRUE)
```

```r
pop <- get_decennial(geography = "state",
                     variables = c("P001001", "P002005"),
                     year = 2010,
                     output = "wide",
                     geometry = TRUE) %>%
```

```
  mutate(prop_rural = (P002005/P001001)*100) %>%
  ggplot()+
  geom_sf()
```

Getting data from the 2010 decennial Census

Downloading feature geometry from the Census website. To cache shapefiles for use in future sessions

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