Report on Gun Murders

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## Other output formats are: pdf\_document, word\_document, github\_document

# use a descriptive name for each chunk for debugging purpose

summary(pressure)

## temperature pressure   
## Min. : 0 Min. : 0.0002   
## 1st Qu.: 90 1st Qu.: 0.1800   
## Median :180 Median : 8.8000   
## Mean :180 Mean :124.3367   
## 3rd Qu.:270 3rd Qu.:126.5000   
## Max. :360 Max. :806.0000

## Ctrl + alt + i keybinding to add the r code chunk block

# When echo=FALSE, code will be hided in output file



## 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.

## Another example:

## Introduction

This is a report on 2010 gun murder rates obtained from FBI reports. The original data was obtained from [this Wikipedia page](https://en.wikipedia.org/wiki/Murder_in_the_United_States_by_state).

We are going to use the following library:

library(tidyverse)

and load the data we already wrangled:

load("rda/murders.rda")

## Murder rate by state

We note the large state to state variability by generating a barplot showing the murder rate by state:

