Compile-2014 Monthly Shooting Numbers

MCC

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```
library(readr)

gva_2014 <- read_csv("../../001_data/001A_ORIGINAL_gun_violence_archive_data/gva-2014.csv",
                     col_types = cols(`Incident ID` = col_skip(),
                                      `Incident Date` = col_date(format = "%B %d, %Y"),
                                      Address = col_skip(), `# Killed` = col_integer(),
                                      `# Injured` = col_integer(), Operations = col_skip()))
View(gva_2014)
```

Change Column names `# Killed` & `# Injured` to eliminate `#`

```
# Change colnames of all columns
colnames(gva_2014) <- c("Date", "State", "City", "Killed", "Injured")

# Produce Month columns
gva_2014$Month <- format(as.Date(gva_2014$Date, format="%Y-%m-%d"),"%m")

gva_2014$Total <- gva_2014$Killed + gva_2014$Injured

#View(gva_2014)
```

Break down data into State groupings

```
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.1 --

## v ggplot2 3.3.6     v dplyr   1.0.9
## v tibble  3.1.7     v stringr 1.4.0
## v tidyr   1.2.0     v forcats 0.5.1
## v purrr   0.3.4

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

```
library(dplyr)

# Group by State
```

```r
gva_2014_by_month <- gva_2014 %>%
  group_by(Month) %>%
  summarize(Avg_Monthly=mean(Total))

print(gva_2014_by_month)
```

```
## # A tibble: 12 x 2
##    Month Avg_Monthly
##    <chr>       <dbl>
##  1 01           4.59
##  2 02           5
##  3 03           4.62
##  4 04           5.35
##  5 05           5.38
##  6 06           5.11
##  7 07           5.09
##  8 08           4.95
##  9 09           5.62
## 10 10           4.39
## 11 11           4.61
## 12 12           4.81
```