

# Exploring the GTD Data

*Dan Gamarnik*

*November 13, 2017*

```
library(tidyverse)

## Loading tidyverse: ggplot2
## Loading tidyverse: tibble
## Loading tidyverse: tidyr
## Loading tidyverse: readr
## Loading tidyverse: purrr
## Loading tidyverse: dplyr

## Conflicts with tidy packages -----

## filter(): dplyr, stats
## lag():    dplyr, stats

library(stringr)
library(dplyr)
library(readr)
library(ggplot2)
library(downloader)
library(tidyr)
library(broom)
library(knitr)
library(modelr)

##
## Attaching package: 'modelr'

## The following object is masked from 'package:broom':
##
##     bootstrap
```

**Figure 1: Terrorism over Time**

```
# Getting the dataset and saving it as object.

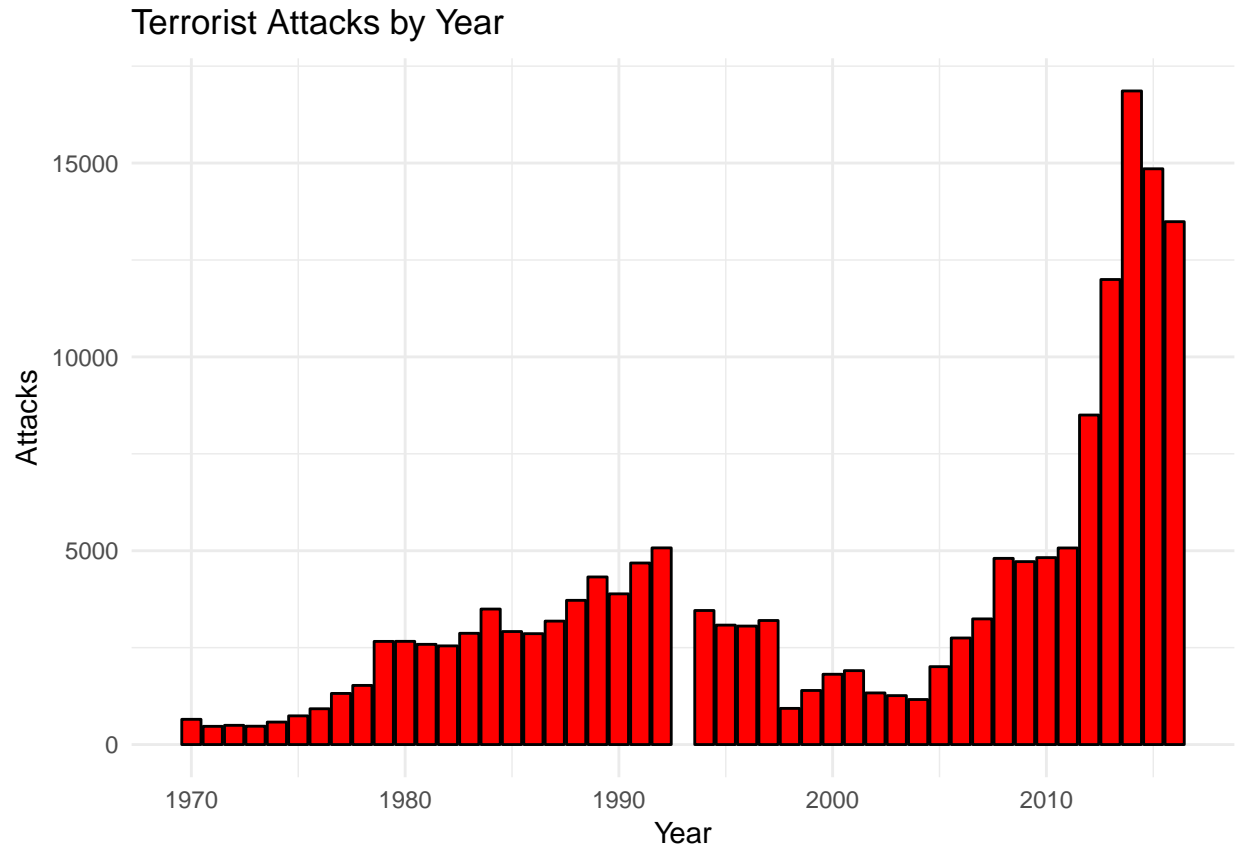
GTD <- read_csv("globalterrorismdb_0617dist_SMALL.csv")

## Parsed with column specification:
## cols(
##   eventid = col_double(),
##   iyear = col_integer(),
##   region_txt = col_character(),
##   targtype1_txt = col_character()
## )

# Graphing terrorist attacks over time.

na.rm=FALSE
ggplot(GTD, aes(iyear)) +
  geom_bar(fill = "red", color = "black") +
```

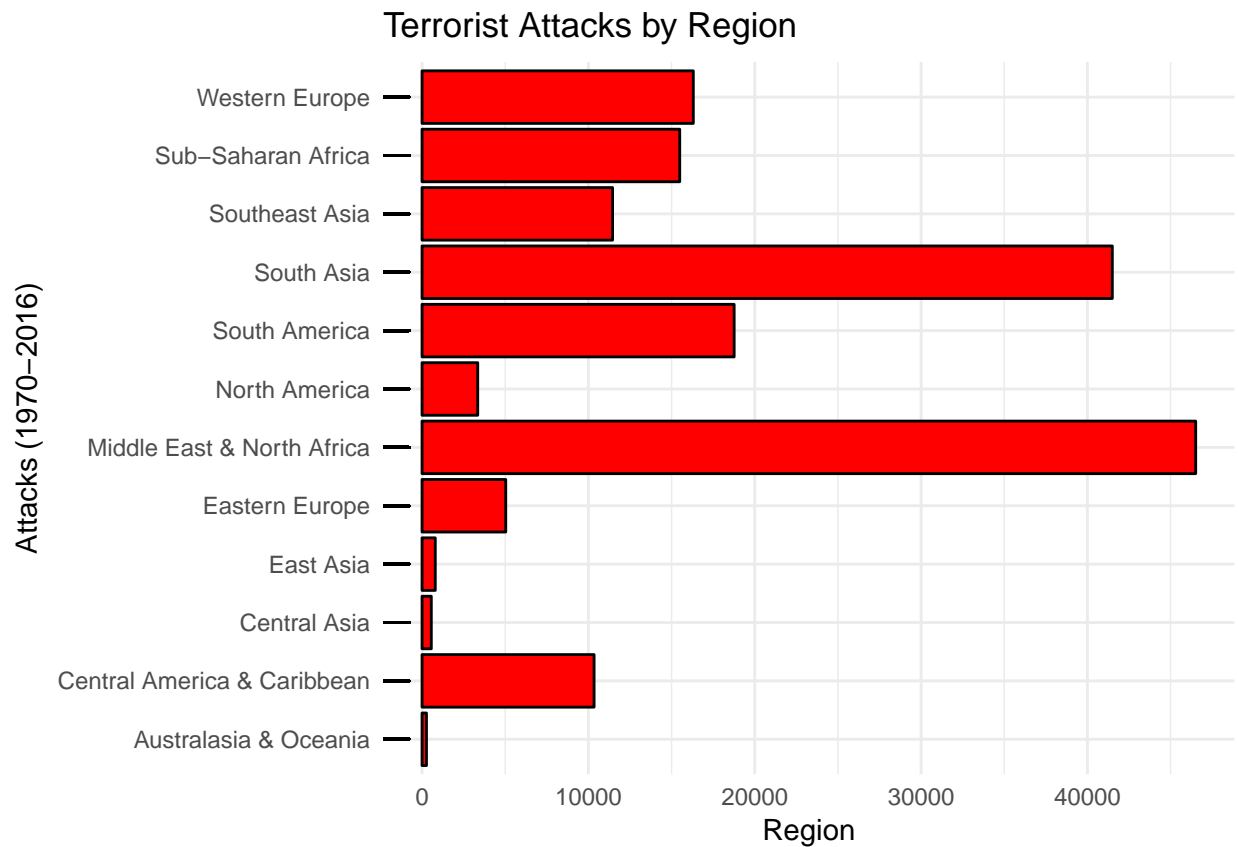
```
theme_minimal() +
labs(title = "Terrorist Attacks by Year", x = "Year", y = "Attacks")
```



#### Figure 2: Terrorism by Region

*# Graphing terrorist attacks by region.*

```
na.rm=FALSE
ggplot(GTD, aes(region_txt)) +
  geom_bar(fill = "red", color = "black") +
  geom_rug() +
  scale_x_discrete() +
  coord_flip() +
  theme_minimal() +
labs(title = "Terrorist Attacks by Region", x = "Attacks (1970-2016)", y = "Region")
```



#### Figure 3: Targets of Terrorism

*# Graphing terrorist targets.*

```
na.rm=FALSE
ggplot(GTD, aes(targtype1_txt)) +
  geom_bar(fill = "red", color = "black") +
  geom_rug() +
  scale_x_discrete() +
  coord_flip() +
  theme_minimal() +
  labs(title = "Terrorist Attacks by Target", x = "Attacks (1970-2016)", y = "Target")
```

