EDA Project

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```
police<- read_excel("/Users/diegoreynawood/Desktop/Math 130/data/fatal-police-shootings-data .xlsx")
```

Introduction

This dataset is on fatal police shootings in the US in 2015, compiled by the Washington Post. Some of the variables I will be whether the person was armed or not, whether they were fleeing or not, if a body camera was on or not, whether they showed signs of mental illness, their threat level, their age, race and gender. I will be trying to answer if
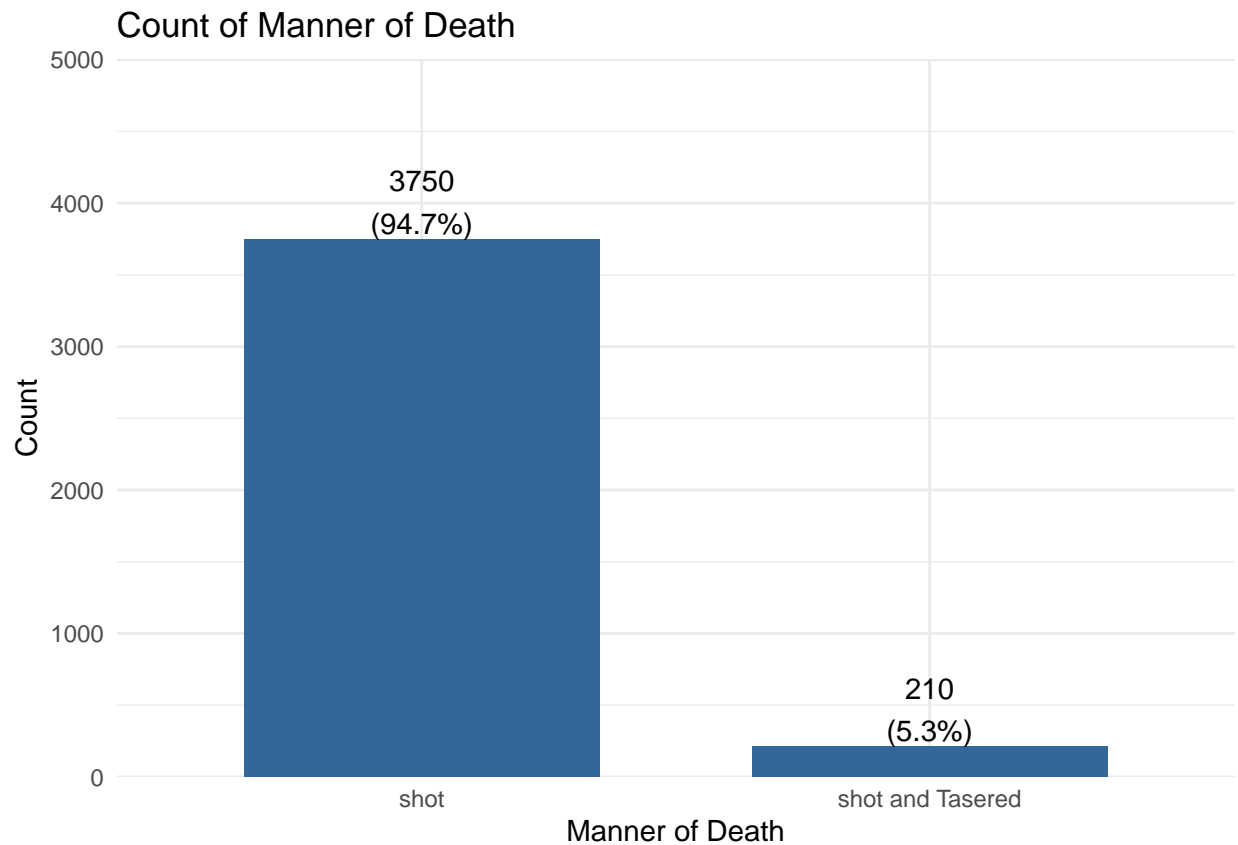
Univariate

Manner of Death is a categorical varible with two categories: shot and shot + tasered.

```
summary(police$manner_of_death)
```

```
##    Length    Class     Mode
##      3960 character character
```

```
library(sjPlot)
plot_frq(police$manner_of_death) + theme_minimal() + labs(title = "Count of Manner of Death", x = "Mann
```
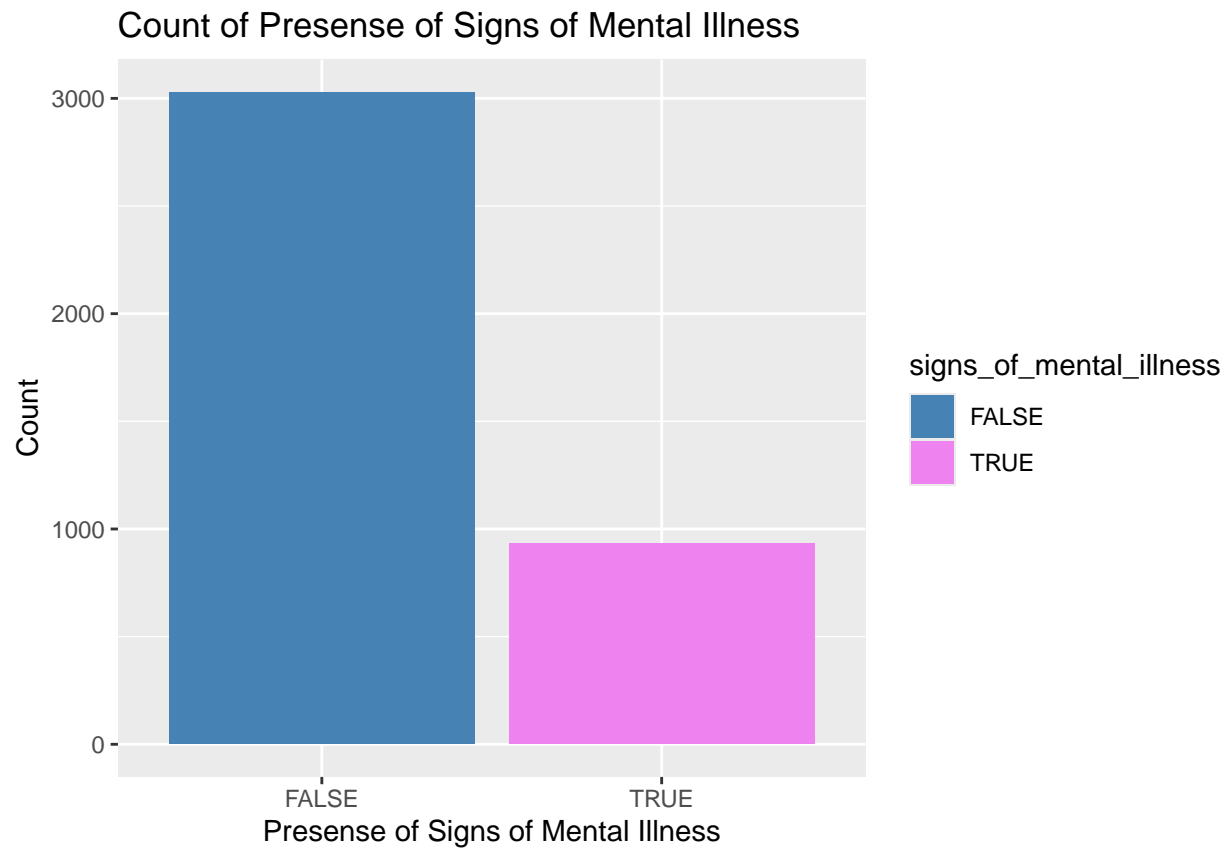
Count of Manner of Death

Signs of mental illness is a categorical variable with two categories: TRUE and FALSE.

```
summary(police$signs_of_mental_illness)
```
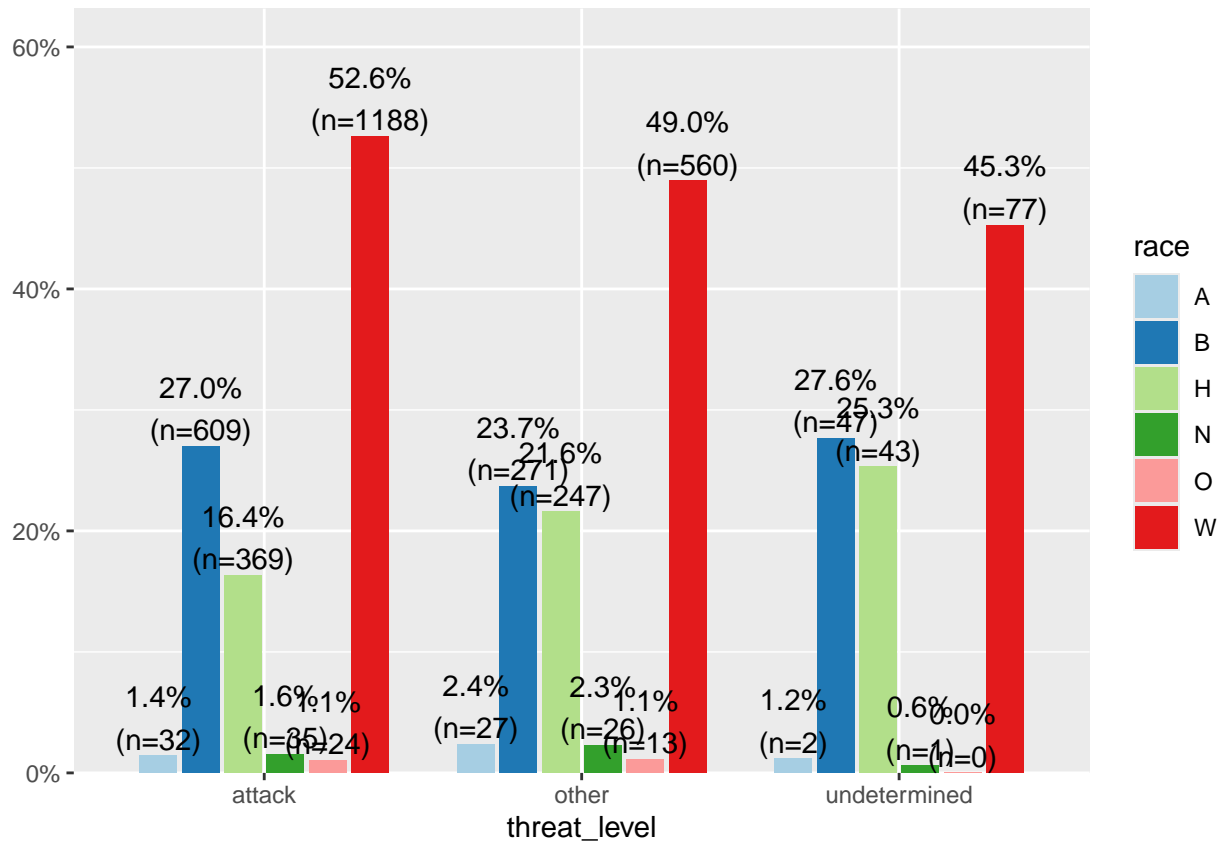
```
##     Mode    FALSE    TRUE
## logical     3028     932
```

```
ggplot(police, aes(x = signs_of_mental_illness, fill = signs_of_mental_illness)) + geom_bar() + labs(ti
    scale_color_discrete(guide="none")
```

Bivariate

```
plot_xtab(police$threat_level, police$race, margin="row",show.total=FALSE)
```

This plot shows the threat level of those killed by race.