

Midterm EDA: Group 7

2022-11-03

Introduction

From 2015- 2022, in response to a deep lack of reporting within government sources, The Washington Post compiled a database of every fatal police shooting in the United States. We are interested in exploring this data, specifically as it shows the differences between US States.

Setting the Data Up

First we call our packages: dplyr and ggplot2 as well as reading our data:

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
```

Then we remove the null values from our dataset

After Accounting for Null Values: The dataset we are working with has 6574 observations. There is a sample row of the data as well

```
## [1] "Number of observations:"

## [1] 6574

##   id      name      date manner_of_death armed age gender race   city state
## 1  3 Tim Elliot 10/4/2022      shot   gun  53      M    A Shelton  WA
##   signs_of_mental_illness threat_level      flee body_camera longitude
## 1                        TRUE      attack Not fleeing      FALSE      -123
##   latitude is_geocoding_exact
## 1      47.2                  TRUE
```

Basic Stats

Here are some basic stats:

Structure:

```
## 'data.frame':    6574 obs. of  17 variables:
## $ id           : int  3 4 5 8 9 11 13 15 16 17 ...
## $ name          : chr  "Tim Elliot" "Lewis Lee Lembke" "John Paul Quintero" "Matthew Hoffm
## $ date          : chr  "10/4/2022" "10/4/2022" "10/3/2022" "10/2/2022" ...
## $ manner_of_death : chr  "shot" "shot" "shot and Tasered" "shot" ...
## $ armed         : chr  "gun" "gun" "unarmed" "toy weapon" ...
## $ age           : int  53 47 23 32 39 18 22 35 34 47 ...
## $ gender        : chr  "M" "M" "M" "M" ...
## $ race          : chr  "A" "W" "H" "W" ...
## $ city          : chr  "Shelton" "Aloha" "Wichita" "San Francisco" ...
## $ state         : chr  "WA" "OR" "KS" "CA" ...
## $ signs_of_mental_illness: logi  TRUE FALSE FALSE TRUE FALSE FALSE ...
## $ threat_level   : chr  "attack" "attack" "other" "attack" ...
## $ flee          : chr  "Not fleeing" "Not fleeing" "Not fleeing" "Not fleeing" ...
## $ body_camera    : logi  FALSE FALSE FALSE FALSE FALSE FALSE ...
## $ longitude      : num  -123.1 -122.9 -97.3 -122.4 -104.7 ...
## $ latitude       : num  47.2 45.5 37.7 37.8 40.4 ...
## $ is_geocoding_exact : logi  TRUE TRUE TRUE TRUE TRUE TRUE ...
## - attr(*, "na.action")= 'omit' Named int [1:1229] 128 770 810 820 933 941 966 991 1338 1353 ...
## ..- attr(*, "names")= chr [1:1229] "128" "770" "810" "820" ...
```

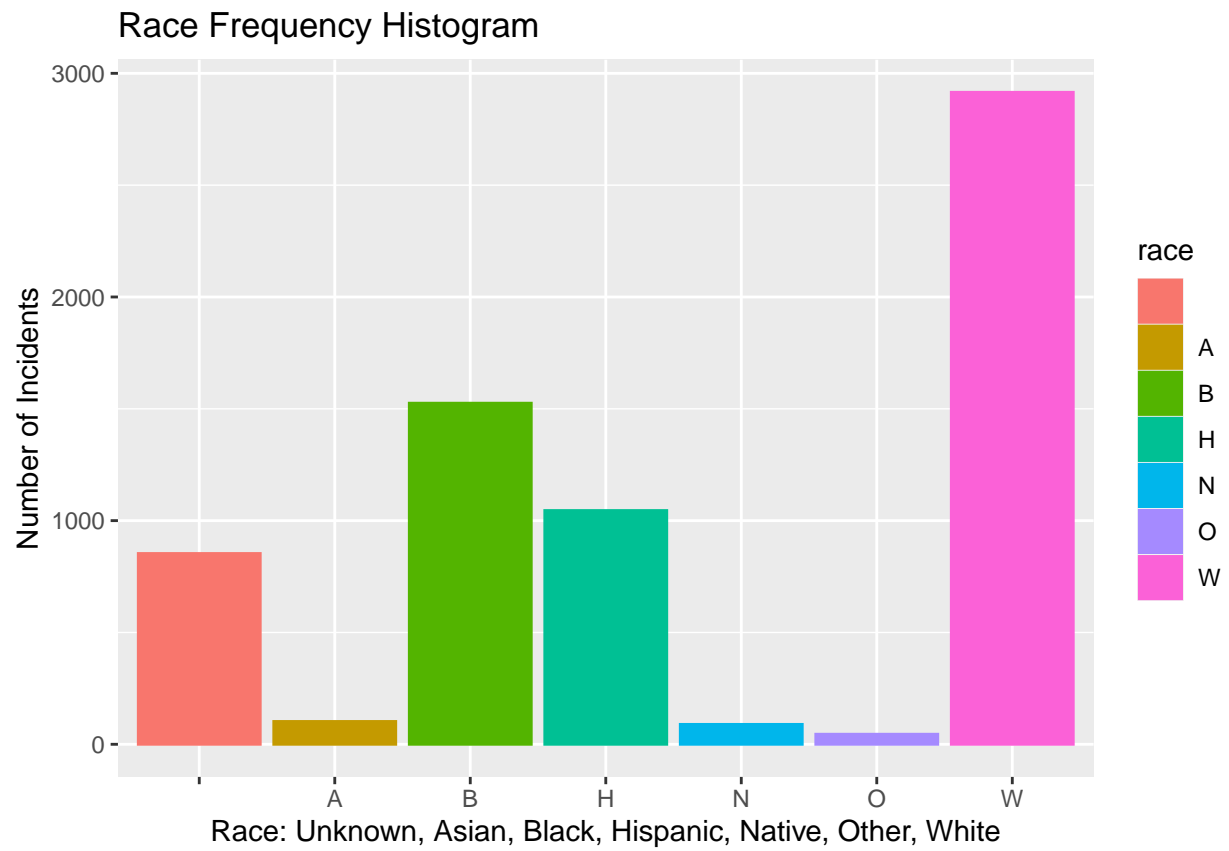
Means and Median for Numeric Variables (Age):

```
## [1] 37.2
```

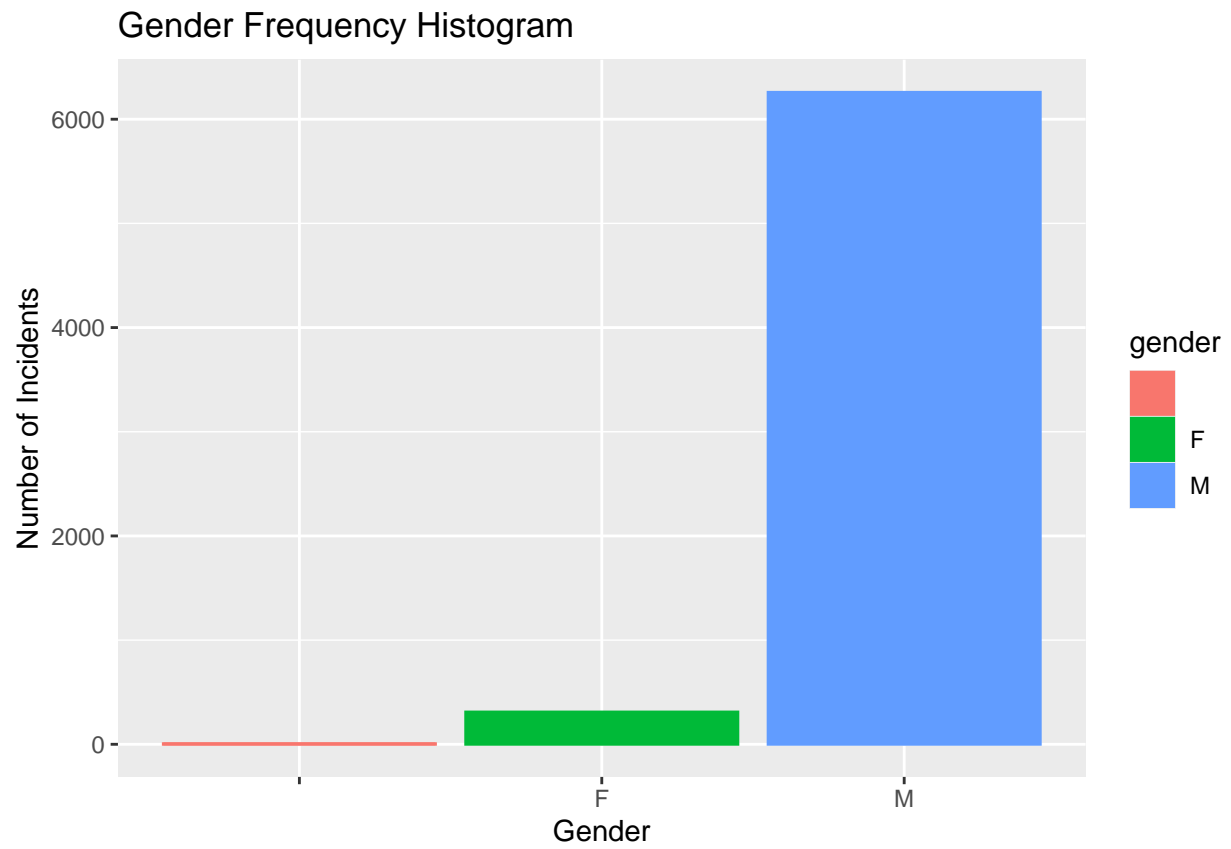
```
## [1] 35
```

#Frequency Graphs for Categorical Variables:

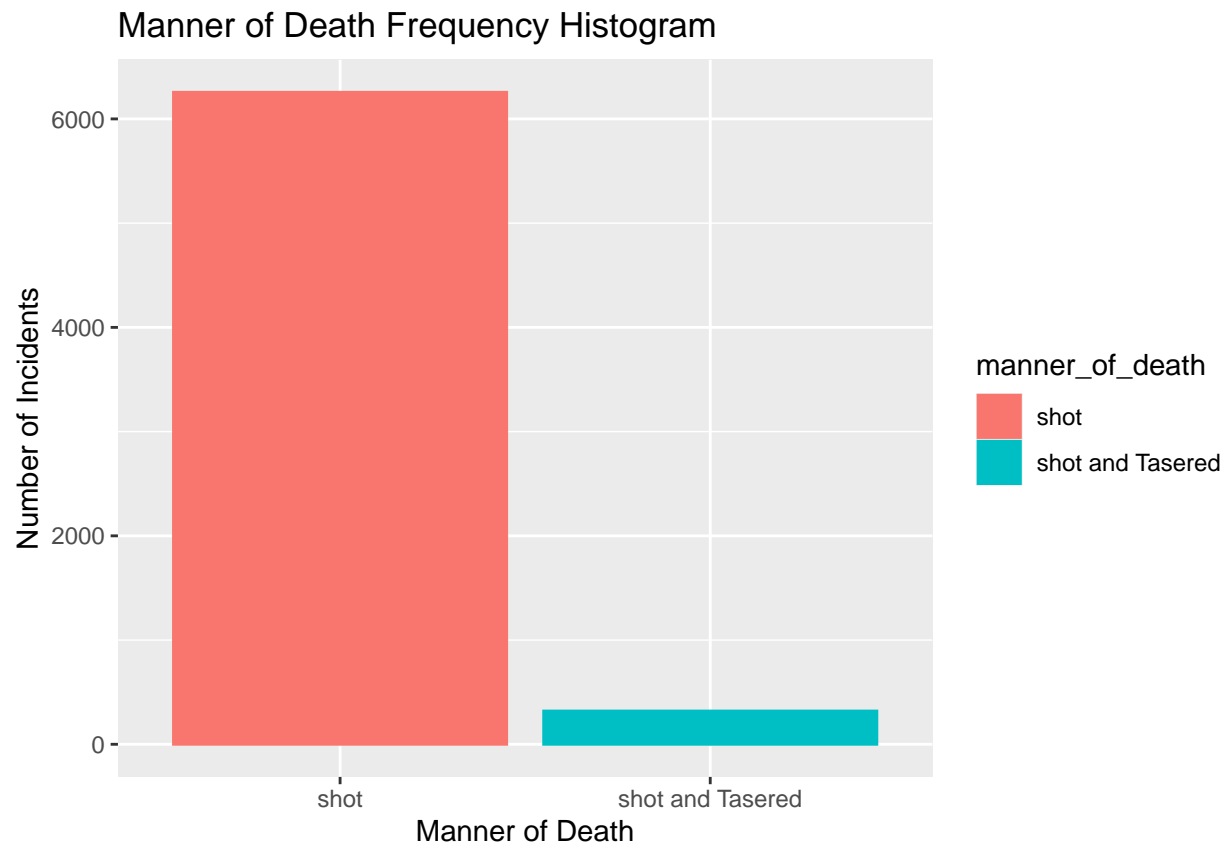
```
## Warning: Ignoring unknown parameters: binwidth, bins, pad
```



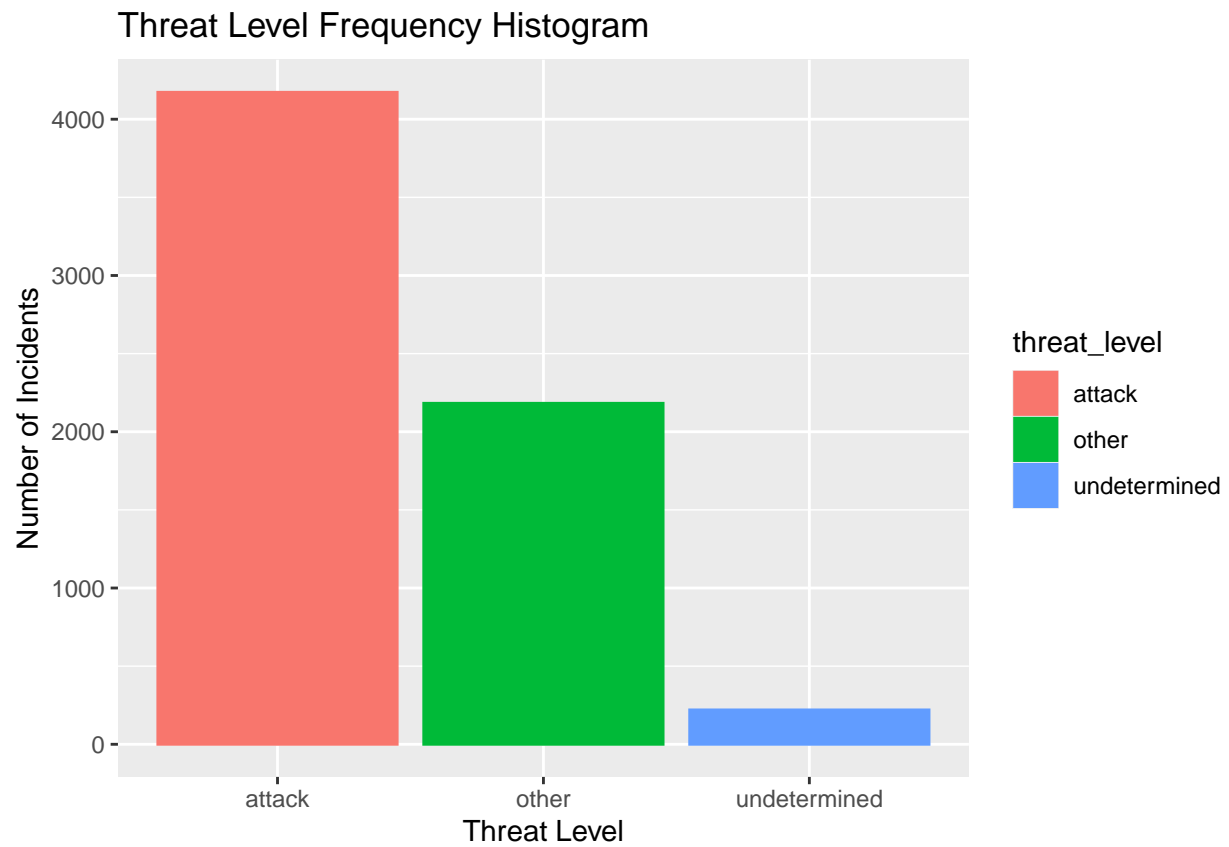
Warning: Ignoring unknown parameters: binwidth, bins, pad



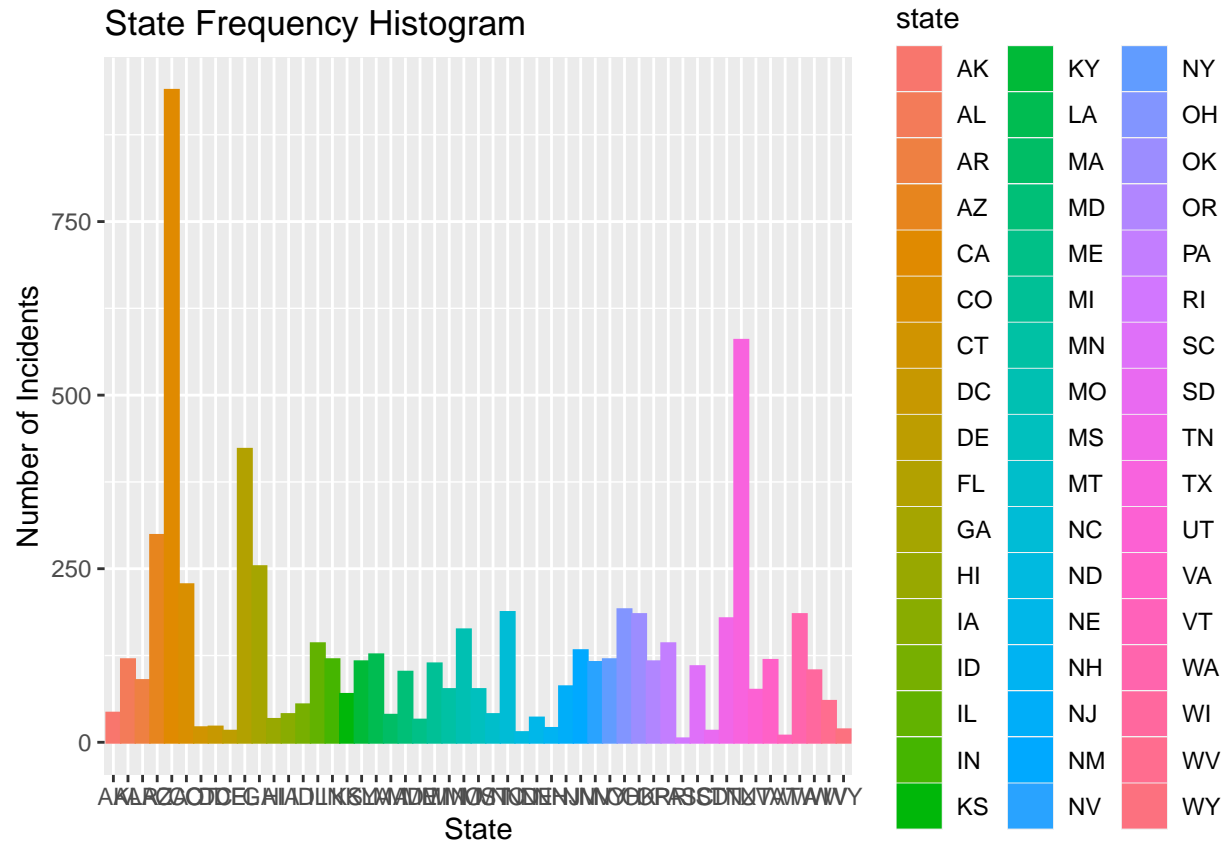
Warning: Ignoring unknown parameters: binwidth, bins, pad



Warning: Ignoring unknown parameters: binwidth, bins, pad



Warning: Ignoring unknown parameters: binwidth, bins, pad



Reshaping the Data for Grouped State Comparison

We are particularly interested in using this data to view differences between US States and Regions.

The Regions:

NW (North West): CA, WA, OR, NV, ID, UT, MT, CO, WY, AK

SW (South West): NM, AZ, TX, OK, HI

MW (Mid West): IL, WI, IN, MI, MN, MO, IA, KS, ND, SD, NE ,OH

SE(South East): GA, AL, MS, LA, TN, NC, SC, FL, AR, WV, DC, VA

NE (North East): NY, RI, MD, VT, PA, ME, NH, NJ, CT, MA

```
## [1] "Incidents in NW:"
```

```
## [1] 1810
```

```
## [1] "Incidents in SW:"
```

```
## [1] 1226
```

```
## [1] "Incidents in MW:"
```

```
## [1] 1080
```

```
## [1] "Incidents in SE:"
```

```
## [1] 1890
```

```
## [1] "Incidents in NE:"
```

```
## [1] 568
```

We have created two sub datasets by grouping our data by state and by region (for graphical purposes). Here is the structure of both:

```
## [1] "By_State:"
```

```
##      state      regions      stbcp      gen.p      smi.p
## Length:6574    MW:1080    Min.    :0.000    Min.    :0.818    Min.    :0.000
## Class :character NE: 568    1st Qu.:0.101    1st Qu.:0.938    1st Qu.:0.200
## Mode  :character NW:1810    Median :0.133    Median :0.952    Median :0.219
##                      SE:1890    Mean   :0.144    Mean   :0.952    Mean   :0.223
##                      SW:1226    3rd Qu.:0.183    3rd Qu.:0.966    3rd Qu.:0.265
##                      Max.    :0.409    Max.    :1.000    Max.    :0.556
##      flee.p      att.p      armed.p      MoD.p      age.avg
## Min.    :0      Min.    :0.350    Min.    :0.778    Min.    :0.810    Min.    :33.1
## 1st Qu.:0      1st Qu.:0.564    1st Qu.:0.918    1st Qu.:0.938    1st Qu.:35.7
## Median :0      Median :0.644    Median :0.934    Median :0.948    Median :36.9
## Mean    :0      Mean    :0.635    Mean    :0.937    Mean    :0.951    Mean    :37.2
## 3rd Qu.:0      3rd Qu.:0.679    3rd Qu.:0.958    3rd Qu.:0.969    3rd Qu.:38.6
## Max.    :0      Max.    :1.000    Max.    :1.000    Max.    :1.000    Max.    :44.4
## Non_White_prop
## Min.    :0.250
## 1st Qu.:0.455
## Median :0.563
## Mean    :0.557
## 3rd Qu.:0.635
## Max.    :0.939
```

```
## [1] "By Region:"
```

```
##      state      stbcp      gen.p      smi.p      flee.p
## Length:6574    Min.    :0.000    Min.    :0.818    Min.    :0.000    Min.    :0
## Class :character 1st Qu.:0.101    1st Qu.:0.938    1st Qu.:0.200    1st Qu.:0
## Mode  :character Median :0.133    Median :0.952    Median :0.219    Median :0
##                      Mean   :0.144    Mean   :0.952    Mean   :0.223    Mean   :0
##                      3rd Qu.:0.183    3rd Qu.:0.966    3rd Qu.:0.265    3rd Qu.:0
##                      Max.    :0.409    Max.    :1.000    Max.    :0.556    Max.    :0
##      att.p      armed.p      MoD.p      age.avg      Non_White_prop
## Min.    :0.350    Min.    :0.778    Min.    :0.810    Min.    :33.1    Min.    :0.250
## 1st Qu.:0.564    1st Qu.:0.918    1st Qu.:0.938    1st Qu.:35.7    1st Qu.:0.455
## Median :0.644    Median :0.934    Median :0.948    Median :36.9    Median :0.563
## Mean    :0.635    Mean    :0.937    Mean    :0.951    Mean    :37.2    Mean    :0.557
## 3rd Qu.:0.679    3rd Qu.:0.958    3rd Qu.:0.969    3rd Qu.:38.6    3rd Qu.:0.635
## Max.    :1.000    Max.    :1.000    Max.    :1.000    Max.    :44.4    Max.    :0.939
```

As you can see, the groups are identical, besides their grouping.

SMART Question and Answer

Within our dataset of police shootings from 2015 to 2020 in the United States, is there a significant difference between the states?

First let's take a look at our data after it has been grouped by state and reorganized into the following variables:

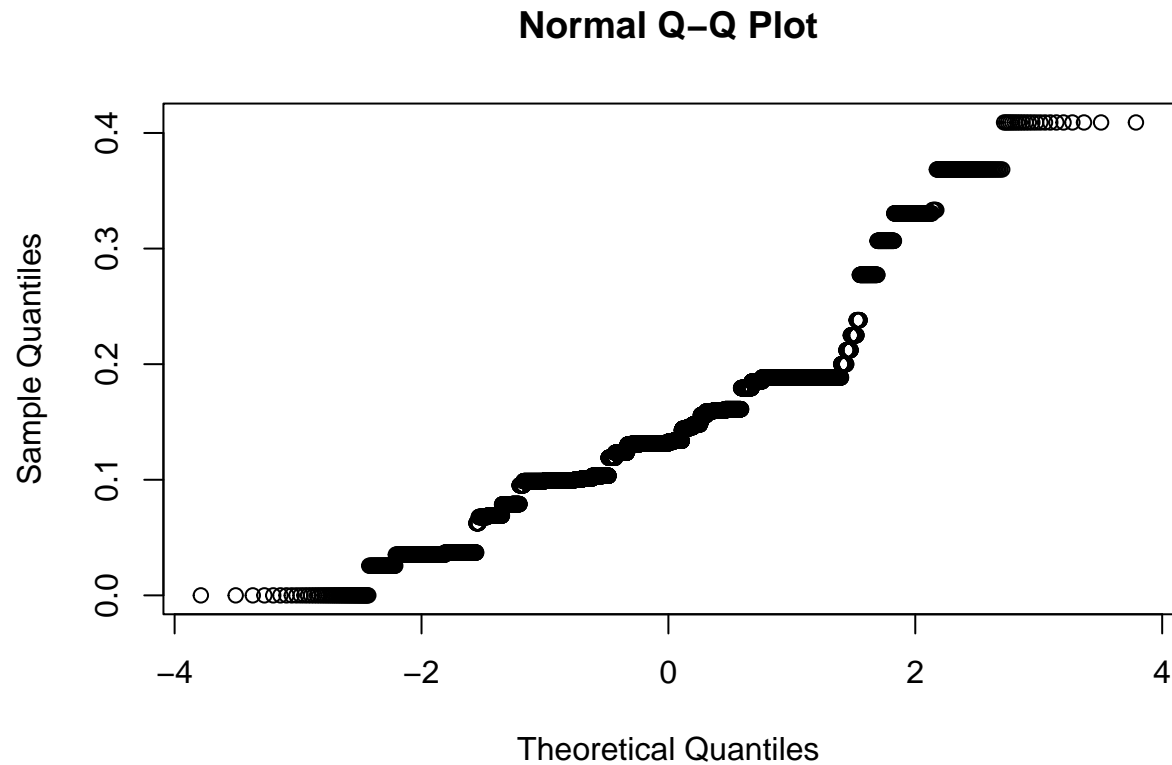
- state: State of Observation
- region: Region of Observation
- stbcp: State Body Camera On Proportion
- genp.p: proportion of male identified shooting victims by state
- smi.p: proportion of shooting victims by state with a documented sign of mental illness
- flee.p: proportion of shooting victims by state that we fleeing
- att.p: proportion of shooting victims by state that we attacking
- armed.p: proportion of shooting victims by state that were not unarmed
- MoD.p: proportion of shooting victims by state who where shot (rather than shot and tased)
- age.avg: average age by state
- Non_White_prop: Proportion of shooting vicitms by state that were not identified as white/caucasian

```
## # A tibble: 6 x 11
## # Groups:   state [6]
##   state regions  stbcp gen.p smi.p flee.p att.p armed.p MoD.p age.avg Non_Whit~1
##   <chr> <fct>    <dbl> <dbl> <dbl> <dbl> <dbl>    <dbl> <dbl>    <dbl>    <dbl>
## 1 WA    NW      0.103 0.967 0.337    0 0.549   0.935 0.946   36.9    0.576
## 2 OR    NW      0.0690 0.974 0.302    0 0.517   0.957 0.957   39.2    0.328
## 3 KS    MW      0.130 0.913 0.217    0 0.696   0.928 0.942   36.7    0.406
## 4 CA    NW      0.188 0.952 0.219    0 0.564   0.918 0.938   35.5    0.736
## 5 CO    NW      0.123 0.952 0.137    0 0.634   0.952 0.969   35.7    0.507
## 6 OK    SW      0.179 0.978 0.212    0 0.707   0.908 0.924   37.5    0.413
## # ... with abbreviated variable name 1: Non_White_prop
```

```
##      state      regions      stbcp      gen.p      smi.p
## Length:6574      MW:1080      Min.    :0.000      Min.    :0.818      Min.    :0.000
## Class :character      NE: 568      1st Qu.:0.101      1st Qu.:0.938      1st Qu.:0.200
## Mode  :character      NW:1810      Median :0.133      Median :0.952      Median :0.219
##      SE:1890      Mean   :0.144      Mean   :0.952      Mean   :0.223
##      SW:1226      3rd Qu.:0.183      3rd Qu.:0.966      3rd Qu.:0.265
##      Max.    :0.409      Max.    :1.000      Max.    :0.556
##      flee.p      att.p      armed.p      MoD.p      age.avg
## Min.    :0      Min.    :0.350      Min.    :0.778      Min.    :0.810      Min.    :33.1
## 1st Qu.:0      1st Qu.:0.564      1st Qu.:0.918      1st Qu.:0.938      1st Qu.:35.7
## Median :0      Median :0.644      Median :0.934      Median :0.948      Median :36.9
## Mean    :0      Mean    :0.635      Mean    :0.937      Mean    :0.951      Mean    :37.2
## 3rd Qu.:0      3rd Qu.:0.679      3rd Qu.:0.958      3rd Qu.:0.969      3rd Qu.:38.6
## Max.    :0      Max.    :1.000      Max.    :1.000      Max.    :1.000      Max.    :44.4
## Non_White_prop
```

```
## Min.    :0.250
## 1st Qu.:0.455
## Median :0.563
## Mean    :0.557
## 3rd Qu.:0.635
## Max.    :0.939
```

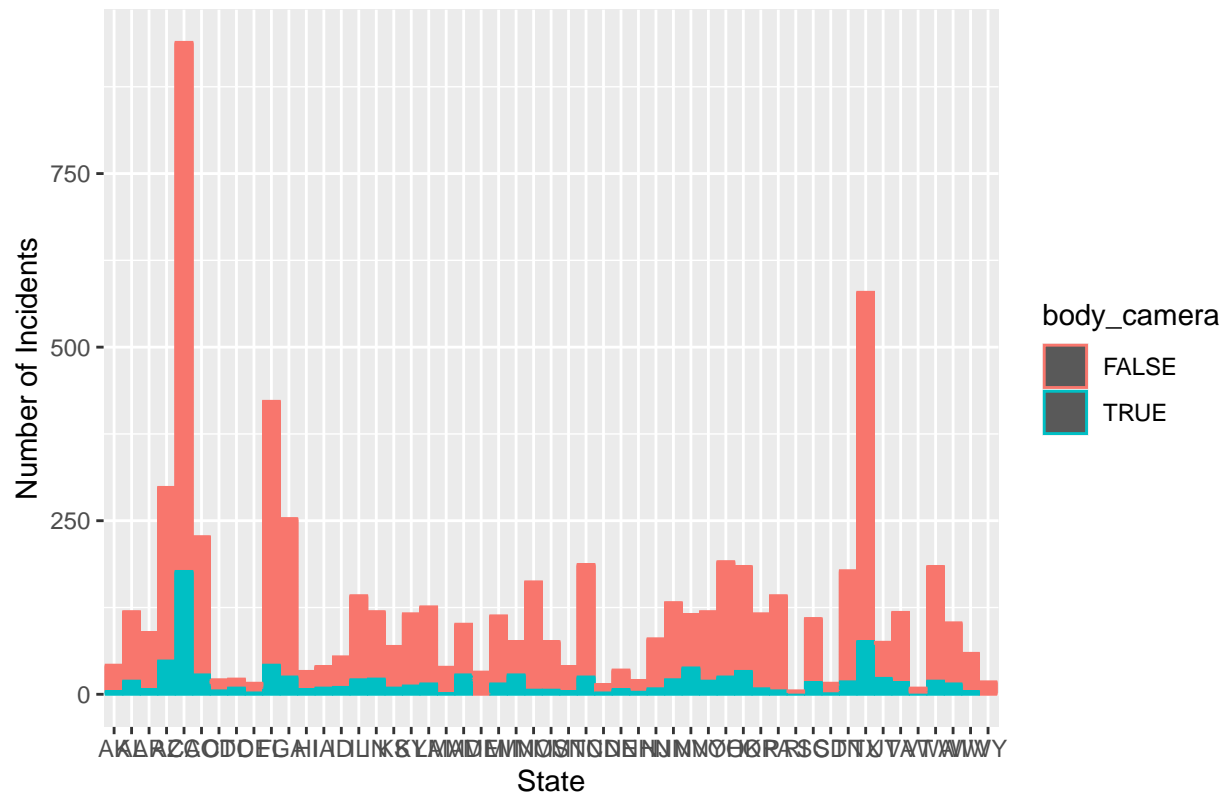
We now would like to check our data for normality:

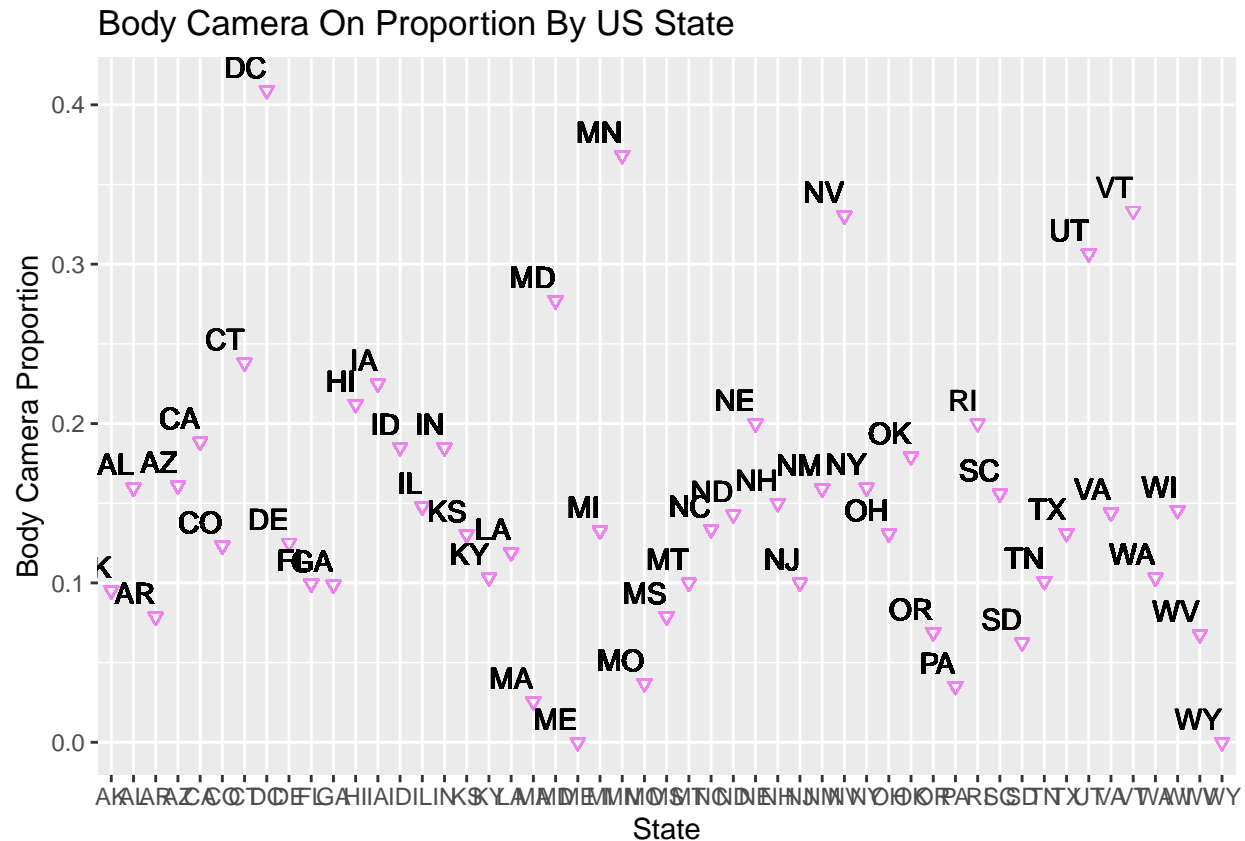


Because the plot is relatively linear, we can conclude this data is close enough to normality for our purpose.

Now let us look at the body camera proportions by state:

Regional Police Shootings Colored by Body Camera Proportions





And finally, let us check out the mean body camera on proportion off all states:

```
## [1] 0.144
```

And now let us do a chi-square test to see if there is a significant difference between the proportions of each state.

H_0 : There is no significant differences between US States in the proportion of body cameras being turned on during police shootings

H_A : There is a significant difference between US State in the proportion of body cameras being turned on during police shootings

Significance Level: $\alpha = 0.05$

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      0.000   0.101   0.133   0.144   0.183   0.409
```

```
##
## Pearson's Chi-squared test
##
## data:  contable
## X-squared = 3e+05, df = 2300, p-value <2e-16
```

With a p-value of $2e-16$, we easily pass our significance level of $\alpha=0.05$ and have shown that there exists significant differences between different states proportions of body camera usage during fatal police shootings.

For Further Analysis: We intend to delve into why there are differences and research what factors may explain these differences between states.

##		0	0.0256410256410256	0.0352112676056338	0.037037037037037	0.0625
##	AK	0	0	0	0	0
##	AL	0	0	0	0	0
##	AR	0	0	0	0	0
##	AZ	0	0	0	0	0
##	CA	0	0	0	0	0
##	CO	0	0	0	0	0
##	CT	0	0	0	0	0
##	DC	0	0	0	0	0
##	DE	0	0	0	0	0
##	FL	0	0	0	0	0
##	GA	0	0	0	0	0
##	HI	0	0	0	0	0
##	IA	0	0	0	0	0
##	ID	0	0	0	0	0
##	IL	0	0	0	0	0
##	IN	0	0	0	0	0
##	KS	0	0	0	0	0
##	KY	0	0	0	0	0
##	LA	0	0	0	0	0
##	MA	0	39	0	0	0
##	MD	0	0	0	0	0
##	ME	32	0	0	0	0
##	MI	0	0	0	0	0
##	MN	0	0	0	0	0
##	MO	0	0	0	162	0
##	MS	0	0	0	0	0
##	MT	0	0	0	0	0
##	NC	0	0	0	0	0
##	ND	0	0	0	0	0
##	NE	0	0	0	0	0
##	NH	0	0	0	0	0
##	NJ	0	0	0	0	0
##	NM	0	0	0	0	0
##	NV	0	0	0	0	0
##	NY	0	0	0	0	0
##	OH	0	0	0	0	0
##	OK	0	0	0	0	0
##	OR	0	0	0	0	0
##	PA	0	0	142	0	0
##	RI	0	0	0	0	0
##	SC	0	0	0	0	0
##	SD	0	0	0	0	16
##	TN	0	0	0	0	0
##	TX	0	0	0	0	0
##	UT	0	0	0	0	0
##	VA	0	0	0	0	0
##	VT	0	0	0	0	0
##	WA	0	0	0	0	0
##	WI	0	0	0	0	0
##	WV	0	0	0	0	0
##	WY	18	0	0	0	0
##						

##	0.0677966101694915	0.0689655172413793	0.0786516853932584
## AK	0	0	0
## AL	0	0	0
## AR	0	0	89
## AZ	0	0	0
## CA	0	0	0
## CO	0	0	0
## CT	0	0	0
## DC	0	0	0
## DE	0	0	0
## FL	0	0	0
## GA	0	0	0
## HI	0	0	0
## IA	0	0	0
## ID	0	0	0
## IL	0	0	0
## IN	0	0	0
## KS	0	0	0
## KY	0	0	0
## LA	0	0	0
## MA	0	0	0
## MD	0	0	0
## ME	0	0	0
## MI	0	0	0
## MN	0	0	0
## MO	0	0	0
## MS	0	0	0
## MT	0	0	0
## NC	0	0	0
## ND	0	0	0
## NE	0	0	0
## NH	0	0	0
## NJ	0	0	0
## NM	0	0	0
## NV	0	0	0
## NY	0	0	0
## OH	0	0	0
## OK	0	0	0
## OR	0	116	0
## PA	0	0	0
## RI	0	0	0
## SC	0	0	0
## SD	0	0	0
## TN	0	0	0
## TX	0	0	0
## UT	0	0	0
## VA	0	0	0
## VT	0	0	0
## WA	0	0	0
## WI	0	0	0
## WV	59	0	0
## WY	0	0	0
##			
##	0.0789473684210526	0.0952380952380952	0.0988142292490119

##	AK	0	42	0
##	AL	0	0	0
##	AR	0	0	0
##	AZ	0	0	0
##	CA	0	0	0
##	CO	0	0	0
##	CT	0	0	0
##	DC	0	0	0
##	DE	0	0	0
##	FL	0	0	0
##	GA	0	0	253
##	HI	0	0	0
##	IA	0	0	0
##	ID	0	0	0
##	IL	0	0	0
##	IN	0	0	0
##	KS	0	0	0
##	KY	0	0	0
##	LA	0	0	0
##	MA	0	0	0
##	MD	0	0	0
##	ME	0	0	0
##	MI	0	0	0
##	MN	0	0	0
##	MO	0	0	0
##	MS	76	0	0
##	MT	0	0	0
##	NC	0	0	0
##	ND	0	0	0
##	NE	0	0	0
##	NH	0	0	0
##	NJ	0	0	0
##	NM	0	0	0
##	NV	0	0	0
##	NY	0	0	0
##	OH	0	0	0
##	OK	0	0	0
##	OR	0	0	0
##	PA	0	0	0
##	RI	0	0	0
##	SC	0	0	0
##	SD	0	0	0
##	TN	0	0	0
##	TX	0	0	0
##	UT	0	0	0
##	VA	0	0	0
##	VT	0	0	0
##	WA	0	0	0
##	WI	0	0	0
##	WV	0	0	0
##	WY	0	0	0
##				
##		0.0995260663507109	0.1 0.101123595505618	0.103260869565217
##	AK	0	0	0

##	AL	0	0	0	0
##	AR	0	0	0	0
##	AZ	0	0	0	0
##	CA	0	0	0	0
##	CO	0	0	0	0
##	CT	0	0	0	0
##	DC	0	0	0	0
##	DE	0	0	0	0
##	FL	422	0	0	0
##	GA	0	0	0	0
##	HI	0	0	0	0
##	IA	0	0	0	0
##	ID	0	0	0	0
##	IL	0	0	0	0
##	IN	0	0	0	0
##	KS	0	0	0	0
##	KY	0	0	0	0
##	LA	0	0	0	0
##	MA	0	0	0	0
##	MD	0	0	0	0
##	ME	0	0	0	0
##	MI	0	0	0	0
##	MN	0	0	0	0
##	MO	0	0	0	0
##	MS	0	0	0	0
##	MT	0	40	0	0
##	NC	0	0	0	0
##	ND	0	0	0	0
##	NE	0	0	0	0
##	NH	0	0	0	0
##	NJ	0	80	0	0
##	NM	0	0	0	0
##	NV	0	0	0	0
##	NY	0	0	0	0
##	OH	0	0	0	0
##	OK	0	0	0	0
##	OR	0	0	0	0
##	PA	0	0	0	0
##	RI	0	0	0	0
##	SC	0	0	0	0
##	SD	0	0	0	0
##	TN	0	0	178	0
##	TX	0	0	0	0
##	UT	0	0	0	0
##	VA	0	0	0	0
##	VT	0	0	0	0
##	WA	0	0	0	184
##	WI	0	0	0	0
##	WV	0	0	0	0
##	WY	0	0	0	0
##					
##		0.103448275862069	0.119047619047619	0.123348017621145	0.125
##	AK	0		0	0
##	AL	0		0	0

##	AR	0	0	0	0
##	AZ	0	0	0	0
##	CA	0	0	0	0
##	CO	0	0	227	0
##	CT	0	0	0	0
##	DC	0	0	0	0
##	DE	0	0	0	16
##	FL	0	0	0	0
##	GA	0	0	0	0
##	HI	0	0	0	0
##	IA	0	0	0	0
##	ID	0	0	0	0
##	IL	0	0	0	0
##	IN	0	0	0	0
##	KS	0	0	0	0
##	KY	116	0	0	0
##	LA	0	126	0	0
##	MA	0	0	0	0
##	MD	0	0	0	0
##	ME	0	0	0	0
##	MI	0	0	0	0
##	MN	0	0	0	0
##	MO	0	0	0	0
##	MS	0	0	0	0
##	MT	0	0	0	0
##	NC	0	0	0	0
##	ND	0	0	0	0
##	NE	0	0	0	0
##	NH	0	0	0	0
##	NJ	0	0	0	0
##	NM	0	0	0	0
##	NV	0	0	0	0
##	NY	0	0	0	0
##	OH	0	0	0	0
##	OK	0	0	0	0
##	OR	0	0	0	0
##	PA	0	0	0	0
##	RI	0	0	0	0
##	SC	0	0	0	0
##	SD	0	0	0	0
##	TN	0	0	0	0
##	TX	0	0	0	0
##	UT	0	0	0	0
##	VA	0	0	0	0
##	VT	0	0	0	0
##	WA	0	0	0	0
##	WI	0	0	0	0
##	WV	0	0	0	0
##	WY	0	0	0	0
##					
##		0.130434782608696	0.130890052356021	0.13126079447323	0.132743362831858
##	AK	0	0	0	0
##	AL	0	0	0	0
##	AR	0	0	0	0

##	AZ	0	0	0	0
##	CA	0	0	0	0
##	CO	0	0	0	0
##	CT	0	0	0	0
##	DC	0	0	0	0
##	DE	0	0	0	0
##	FL	0	0	0	0
##	GA	0	0	0	0
##	HI	0	0	0	0
##	IA	0	0	0	0
##	ID	0	0	0	0
##	IL	0	0	0	0
##	IN	0	0	0	0
##	KS	69	0	0	0
##	KY	0	0	0	0
##	LA	0	0	0	0
##	MA	0	0	0	0
##	MD	0	0	0	0
##	ME	0	0	0	0
##	MI	0	0	0	113
##	MN	0	0	0	0
##	MO	0	0	0	0
##	MS	0	0	0	0
##	MT	0	0	0	0
##	NC	0	0	0	0
##	ND	0	0	0	0
##	NE	0	0	0	0
##	NH	0	0	0	0
##	NJ	0	0	0	0
##	NM	0	0	0	0
##	NV	0	0	0	0
##	NY	0	0	0	0
##	OH	0	191	0	0
##	OK	0	0	0	0
##	OR	0	0	0	0
##	PA	0	0	0	0
##	RI	0	0	0	0
##	SC	0	0	0	0
##	SD	0	0	0	0
##	TN	0	0	0	0
##	TX	0	0	579	0
##	UT	0	0	0	0
##	VA	0	0	0	0
##	VT	0	0	0	0
##	WA	0	0	0	0
##	WI	0	0	0	0
##	WV	0	0	0	0
##	WY	0	0	0	0
##					
##		0.133689839572193	0.142857142857143	0.144067796610169	0.145631067961165
##	AK	0	0	0	0
##	AL	0	0	0	0
##	AR	0	0	0	0
##	AZ	0	0	0	0

##	CA	0	0	0	0
##	CO	0	0	0	0
##	CT	0	0	0	0
##	DC	0	0	0	0
##	DE	0	0	0	0
##	FL	0	0	0	0
##	GA	0	0	0	0
##	HI	0	0	0	0
##	IA	0	0	0	0
##	ID	0	0	0	0
##	IL	0	0	0	0
##	IN	0	0	0	0
##	KS	0	0	0	0
##	KY	0	0	0	0
##	LA	0	0	0	0
##	MA	0	0	0	0
##	MD	0	0	0	0
##	ME	0	0	0	0
##	MI	0	0	0	0
##	MN	0	0	0	0
##	MO	0	0	0	0
##	MS	0	0	0	0
##	MT	0	0	0	0
##	NC	187	0	0	0
##	ND	0	14	0	0
##	NE	0	0	0	0
##	NH	0	0	0	0
##	NJ	0	0	0	0
##	NM	0	0	0	0
##	NV	0	0	0	0
##	NY	0	0	0	0
##	OH	0	0	0	0
##	OK	0	0	0	0
##	OR	0	0	0	0
##	PA	0	0	0	0
##	RI	0	0	0	0
##	SC	0	0	0	0
##	SD	0	0	0	0
##	TN	0	0	0	0
##	TX	0	0	0	0
##	UT	0	0	0	0
##	VA	0	0	118	0
##	VT	0	0	0	0
##	WA	0	0	0	0
##	WI	0	0	0	103
##	WV	0	0	0	0
##	WY	0	0	0	0
##					
##		0.147887323943662	0.15	0.155963302752294	0.159090909090909
##	AK	0	0	0	0
##	AL	0	0	0	0
##	AR	0	0	0	0
##	AZ	0	0	0	0
##	CA	0	0	0	0

##	CO	0	0	0	0
##	CT	0	0	0	0
##	DC	0	0	0	0
##	DE	0	0	0	0
##	FL	0	0	0	0
##	GA	0	0	0	0
##	HI	0	0	0	0
##	IA	0	0	0	0
##	ID	0	0	0	0
##	IL	142	0	0	0
##	IN	0	0	0	0
##	KS	0	0	0	0
##	KY	0	0	0	0
##	LA	0	0	0	0
##	MA	0	0	0	0
##	MD	0	0	0	0
##	ME	0	0	0	0
##	MI	0	0	0	0
##	MN	0	0	0	0
##	MO	0	0	0	0
##	MS	0	0	0	0
##	MT	0	0	0	0
##	NC	0	0	0	0
##	ND	0	0	0	0
##	NE	0	0	0	0
##	NH	0	20	0	0
##	NJ	0	0	0	0
##	NM	0	0	0	132
##	NV	0	0	0	0
##	NY	0	0	0	0
##	OH	0	0	0	0
##	OK	0	0	0	0
##	OR	0	0	0	0
##	PA	0	0	0	0
##	RI	0	0	0	0
##	SC	0	0	109	0
##	SD	0	0	0	0
##	TN	0	0	0	0
##	TX	0	0	0	0
##	UT	0	0	0	0
##	VA	0	0	0	0
##	VT	0	0	0	0
##	WA	0	0	0	0
##	WI	0	0	0	0
##	WV	0	0	0	0
##	WY	0	0	0	0
##					
##		0.159663865546218	0.161073825503356	0.179347826086957	0.184873949579832
##	AK	0	0	0	0
##	AL	119	0	0	0
##	AR	0	0	0	0
##	AZ	0	298	0	0
##	CA	0	0	0	0
##	CO	0	0	0	0

##	CT	0	0	0	0
##	DC	0	0	0	0
##	DE	0	0	0	0
##	FL	0	0	0	0
##	GA	0	0	0	0
##	HI	0	0	0	0
##	IA	0	0	0	0
##	ID	0	0	0	0
##	IL	0	0	0	0
##	IN	0	0	0	119
##	KS	0	0	0	0
##	KY	0	0	0	0
##	LA	0	0	0	0
##	MA	0	0	0	0
##	MD	0	0	0	0
##	ME	0	0	0	0
##	MI	0	0	0	0
##	MN	0	0	0	0
##	MO	0	0	0	0
##	MS	0	0	0	0
##	MT	0	0	0	0
##	NC	0	0	0	0
##	ND	0	0	0	0
##	NE	0	0	0	0
##	NH	0	0	0	0
##	NJ	0	0	0	0
##	NM	0	0	0	0
##	NV	0	0	0	0
##	NY	119	0	0	0
##	OH	0	0	0	0
##	OK	0	0	184	0
##	OR	0	0	0	0
##	PA	0	0	0	0
##	RI	0	0	0	0
##	SC	0	0	0	0
##	SD	0	0	0	0
##	TN	0	0	0	0
##	TX	0	0	0	0
##	UT	0	0	0	0
##	VA	0	0	0	0
##	VT	0	0	0	0
##	WA	0	0	0	0
##	WI	0	0	0	0
##	WV	0	0	0	0
##	WY	0	0	0	0
##					
##		0.185185185185185	0.188498402555911	0.2	0.212121212121212 0.225
##	AK	0	0	0	0
##	AL	0	0	0	0
##	AR	0	0	0	0
##	AZ	0	0	0	0
##	CA	0	939	0	0
##	CO	0	0	0	0
##	CT	0	0	0	0

##	DC	0	0	0	0
##	DE	0	0	0	0
##	FL	0	0	0	0
##	GA	0	0	0	0
##	HI	0	0	33	0
##	IA	0	0	0	40
##	ID	54	0	0	0
##	IL	0	0	0	0
##	IN	0	0	0	0
##	KS	0	0	0	0
##	KY	0	0	0	0
##	LA	0	0	0	0
##	MA	0	0	0	0
##	MD	0	0	0	0
##	ME	0	0	0	0
##	MI	0	0	0	0
##	MN	0	0	0	0
##	MO	0	0	0	0
##	MS	0	0	0	0
##	MT	0	0	0	0
##	NC	0	0	0	0
##	ND	0	0	0	0
##	NE	0	0	35	0
##	NH	0	0	0	0
##	NJ	0	0	0	0
##	NM	0	0	0	0
##	NV	0	0	0	0
##	NY	0	0	0	0
##	OH	0	0	0	0
##	OK	0	0	0	0
##	OR	0	0	0	0
##	PA	0	0	0	0
##	RI	0	5	0	0
##	SC	0	0	0	0
##	SD	0	0	0	0
##	TN	0	0	0	0
##	TX	0	0	0	0
##	UT	0	0	0	0
##	VA	0	0	0	0
##	VT	0	0	0	0
##	WA	0	0	0	0
##	WI	0	0	0	0
##	WV	0	0	0	0
##	WY	0	0	0	0
##					
##		0.238095238095238	0.27722772272277	0.306666666666667	0.330434782608696
##	AK	0	0	0	0
##	AL	0	0	0	0
##	AR	0	0	0	0
##	AZ	0	0	0	0
##	CA	0	0	0	0
##	CO	0	0	0	0
##	CT	21	0	0	0
##	DC	0	0	0	0

##	DE	0	0	0	0
##	FL	0	0	0	0
##	GA	0	0	0	0
##	HI	0	0	0	0
##	IA	0	0	0	0
##	ID	0	0	0	0
##	IL	0	0	0	0
##	IN	0	0	0	0
##	KS	0	0	0	0
##	KY	0	0	0	0
##	LA	0	0	0	0
##	MA	0	0	0	0
##	MD	0	101	0	0
##	ME	0	0	0	0
##	MI	0	0	0	0
##	MN	0	0	0	0
##	MO	0	0	0	0
##	MS	0	0	0	0
##	MT	0	0	0	0
##	NC	0	0	0	0
##	ND	0	0	0	0
##	NE	0	0	0	0
##	NH	0	0	0	0
##	NJ	0	0	0	0
##	NM	0	0	0	0
##	NV	0	0	0	115
##	NY	0	0	0	0
##	OH	0	0	0	0
##	OK	0	0	0	0
##	OR	0	0	0	0
##	PA	0	0	0	0
##	RI	0	0	0	0
##	SC	0	0	0	0
##	SD	0	0	0	0
##	TN	0	0	0	0
##	TX	0	0	0	0
##	UT	0	0	75	0
##	VA	0	0	0	0
##	VT	0	0	0	0
##	WA	0	0	0	0
##	WI	0	0	0	0
##	WV	0	0	0	0
##	WY	0	0	0	0
##					
##		0.3333333333333333	0.368421052631579	0.409090909090909	
##	AK	0	0	0	
##	AL	0	0	0	
##	AR	0	0	0	
##	AZ	0	0	0	
##	CA	0	0	0	
##	CO	0	0	0	
##	CT	0	0	0	
##	DC	0	0	22	
##	DE	0	0	0	

##	FL	0	0	0
##	GA	0	0	0
##	HI	0	0	0
##	IA	0	0	0
##	ID	0	0	0
##	IL	0	0	0
##	IN	0	0	0
##	KS	0	0	0
##	KY	0	0	0
##	LA	0	0	0
##	MA	0	0	0
##	MD	0	0	0
##	ME	0	0	0
##	MI	0	0	0
##	MN	0	76	0
##	MO	0	0	0
##	MS	0	0	0
##	MT	0	0	0
##	NC	0	0	0
##	ND	0	0	0
##	NE	0	0	0
##	NH	0	0	0
##	NJ	0	0	0
##	NM	0	0	0
##	NV	0	0	0
##	NY	0	0	0
##	OH	0	0	0
##	OK	0	0	0
##	OR	0	0	0
##	PA	0	0	0
##	RI	0	0	0
##	SC	0	0	0
##	SD	0	0	0
##	TN	0	0	0
##	TX	0	0	0
##	UT	0	0	0
##	VA	0	0	0
##	VT	9	0	0
##	WA	0	0	0
##	WI	0	0	0
##	WV	0	0	0
##	WY	0	0	0

Regional Police Shootings Colored by Body Camera Proportions

