

ANA 515 Assignment 1

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##calling packages

```
install.packages("tidyverse")

## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.1'
## (as 'lib' is unspecified)

install.packages("knitr")

## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.1'
## (as 'lib' is unspecified)

install.packages("bslib")

## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.1'
## (as 'lib' is unspecified)
```

calling dataset from github

```
## [1] 100798      11

##           X           year      month      intent
## Min.      : 1      Min.    :2012      Min.    : 1.000      Length:100798
## 1st Qu.: 25200      1st Qu.:2012      1st Qu.: 4.000      Class :character
## Median : 50400      Median :2013      Median : 7.000      Mode  :character
## Mean     : 50400      Mean    :2013      Mean   : 6.568
## 3rd Qu.: 75599      3rd Qu.:2014      3rd Qu.: 9.000
## Max.     :100798      Max.    :2014      Max.   :12.000
##
##      police      sex      age      race
## Min.    :0.00000      Length:100798      Min.    : 0.00      Length:100798
## 1st Qu.:0.00000      Class :character      1st Qu.: 27.00      Class :character
## Median :0.00000      Mode  :character      Median : 42.00      Mode  :character
## Mean    :0.01391      Mean   : 43.86
## 3rd Qu.:0.00000      3rd Qu.: 58.00
## Max.    :1.00000      Max.   :107.00
##                      NA's   :18
##      hispanic      place      education
## Min.    :100.0      Length:100798      Length:100798
## 1st Qu.:100.0      Class :character      Class :character
## Median :100.0      Mode  :character      Mode  :character
## Mean    :114.2
## 3rd Qu.:100.0
## Max.    :998.0
##
```

	X	year	month	intent	police	sex	age	race	hispanic
	<int>	<int>	<int>	<chr>	<int>	<chr>	<int>	<chr>	<int>
1	1	2012	1	Suicide	0	M	34	Asian/Pacific Islander	100
2	2	2012	1	Suicide	0	F	21	White	100
3	3	2012	1	Suicide	0	M	60	White	100
4	4	2012	2	Suicide	0	M	64	White	100
5	5	2012	2	Suicide	0	M	31	White	100
6	6	2012	2	Suicide	0	M	17	Native American/Native Alaskan	100

6 rows | 1-10 of 12 columns

	X	year	month	intent	police	sex	age	race	hispanic
	<int>	<int>	<int>	<chr>	<int>	<chr>	<int>	<chr>	<int>
100793	100793	2014	12	Homicide	0	M	31	Black	100
100794	100794	2014	12	Homicide	0	M	36	Black	100
100795	100795	2014	12	Homicide	0	M	19	Black	100
100796	100796	2014	12	Homicide	0	M	20	Black	100
100797	100797	2014	12	Homicide	0	M	22	Hispanic	260
100798	100798	2014	10	Homicide	0	M	43	Black	100

6 rows | 1-10 of 12 columns

Making subset youth from main dataset (gundeaths)

```
## — Attaching packages — tidyverse 1.3.1 —

## ✓ ggplot2 3.3.5      ✓ purrr 0.3.4
## ✓ tibble 3.1.5       ✓ dplyr 1.0.7
## ✓ tidyr 1.1.4        ✓ stringr 1.4.0
## ✓ readr 2.0.2        ✓ forcats 0.5.1

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

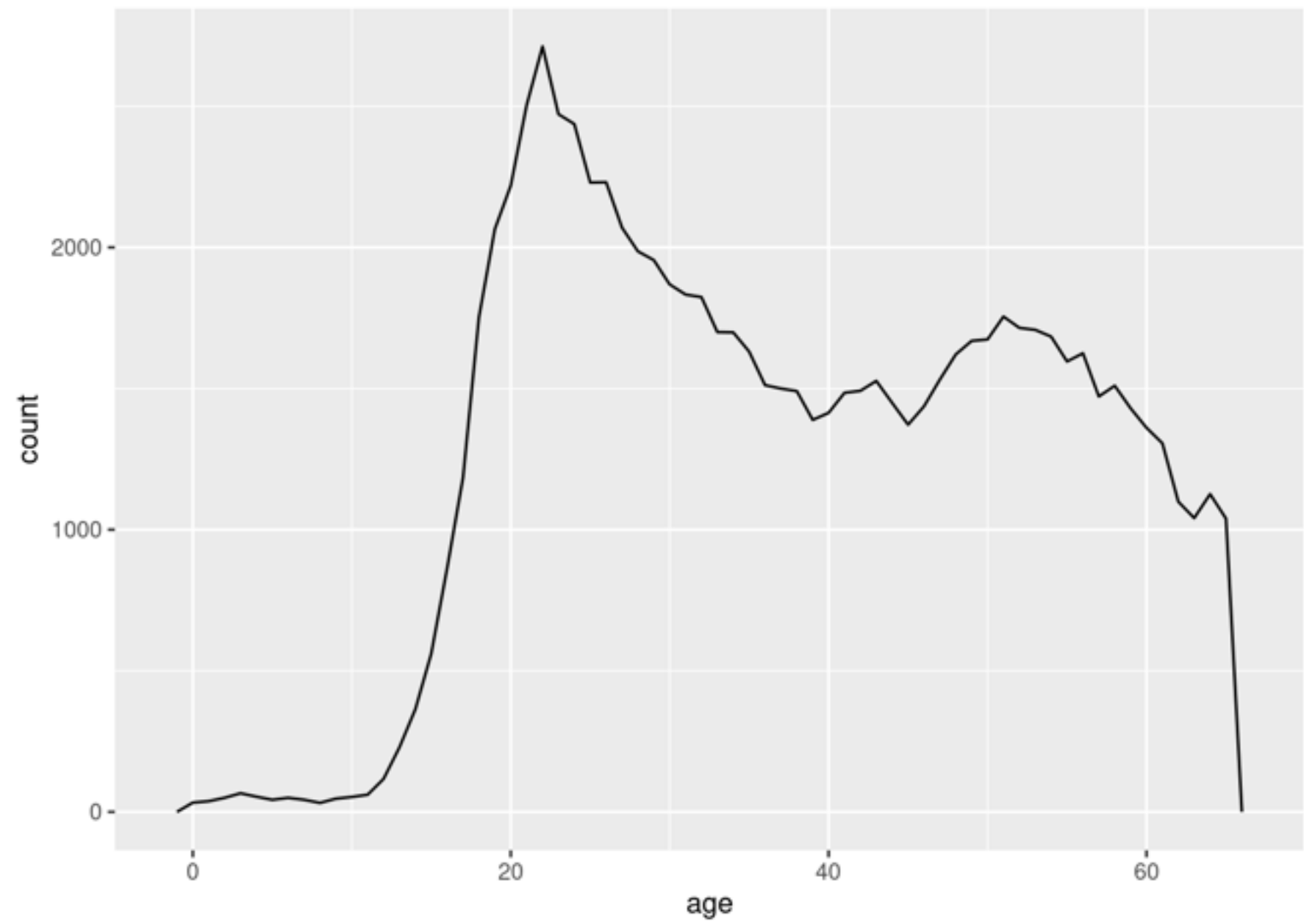
##
## Attaching package: 'bslib'

## The following object is masked from 'package:utils':
##
##      page
```

```
##           X           year      month      intent
## Min.      : 1      Min.    :2012      Min.    : 1.00      Length:85111
## 1st Qu.: 24944      1st Qu.:2012      1st Qu.: 4.00      Class :character
## Median : 50035      Median :2013      Median : 7.00      Mode  :character
## Mean     : 50203      Mean    :2013      Mean   : 6.57
## 3rd Qu.: 75512      3rd Qu.:2014      3rd Qu.: 9.00
## Max.     :100798      Max.    :2014      Max.   :12.00
##
##      police      sex      age      race
## Min.    :0.00000      Length:85111      Min.    : 0.00      Length:85111
## 1st Qu.:0.00000      Class :character      1st Qu.:25.00      Class :character
## Median :0.00000      Mode  :character      Median :36.00      Mode  :character
## Mean    :0.01612      Mean   :37.89
## 3rd Qu.:0.00000      3rd Qu.:51.00
## Max.    :1.00000      Max.   :65.00
##
##      hispanic      place      education
## Min.    :100.0      Length:85111      Length:85111
## 1st Qu.:100.0      Class :character      Class :character
## Median :100.0      Mode  :character      Mode  :character
## Mean    :115.6
## 3rd Qu.:100.0
## Max.    :998.0
```

Inline code

Calling graph using ggplot fucntion



Distribution of youth race

