NYPD Shooting Incident Study

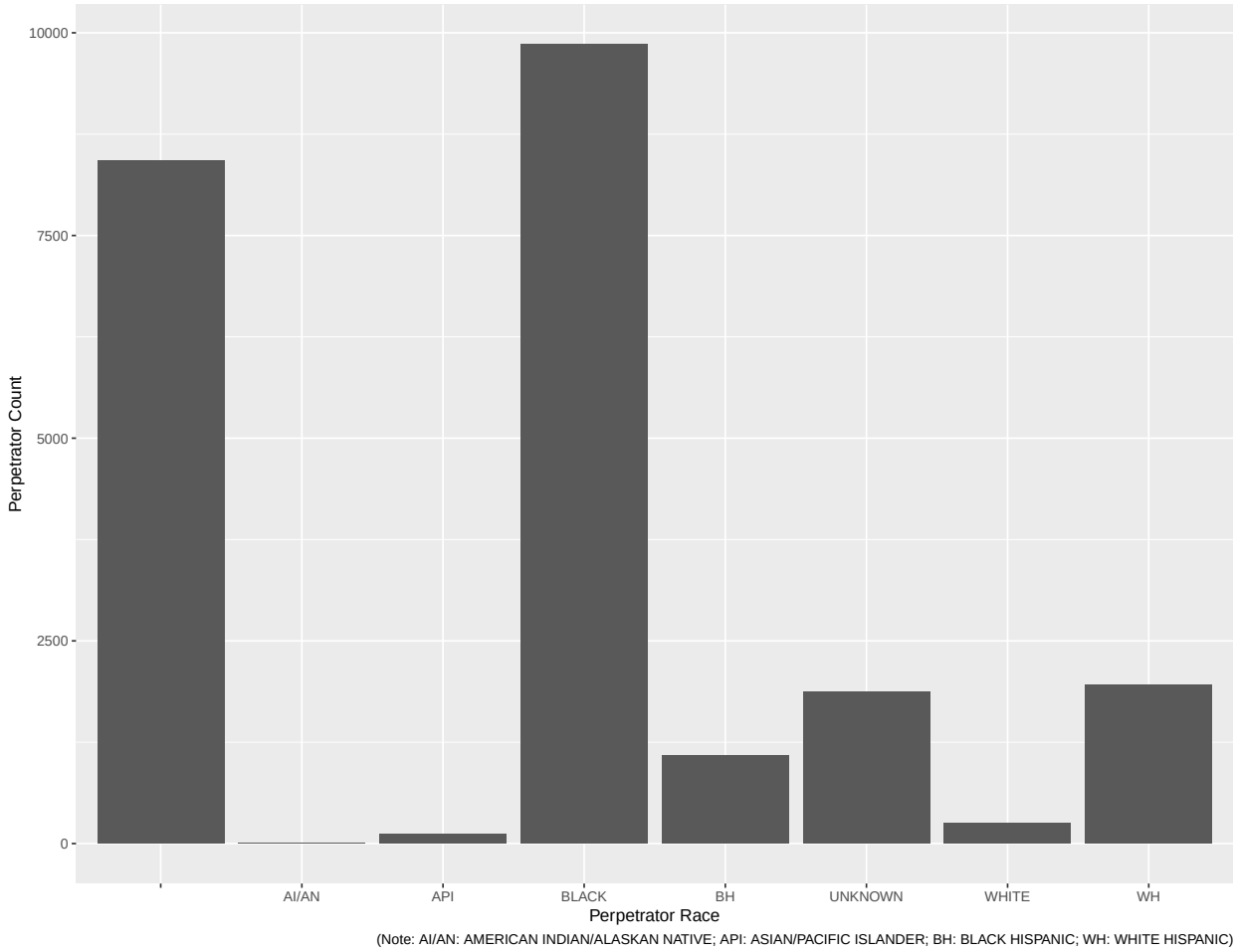
Hao Do

10/2/2021

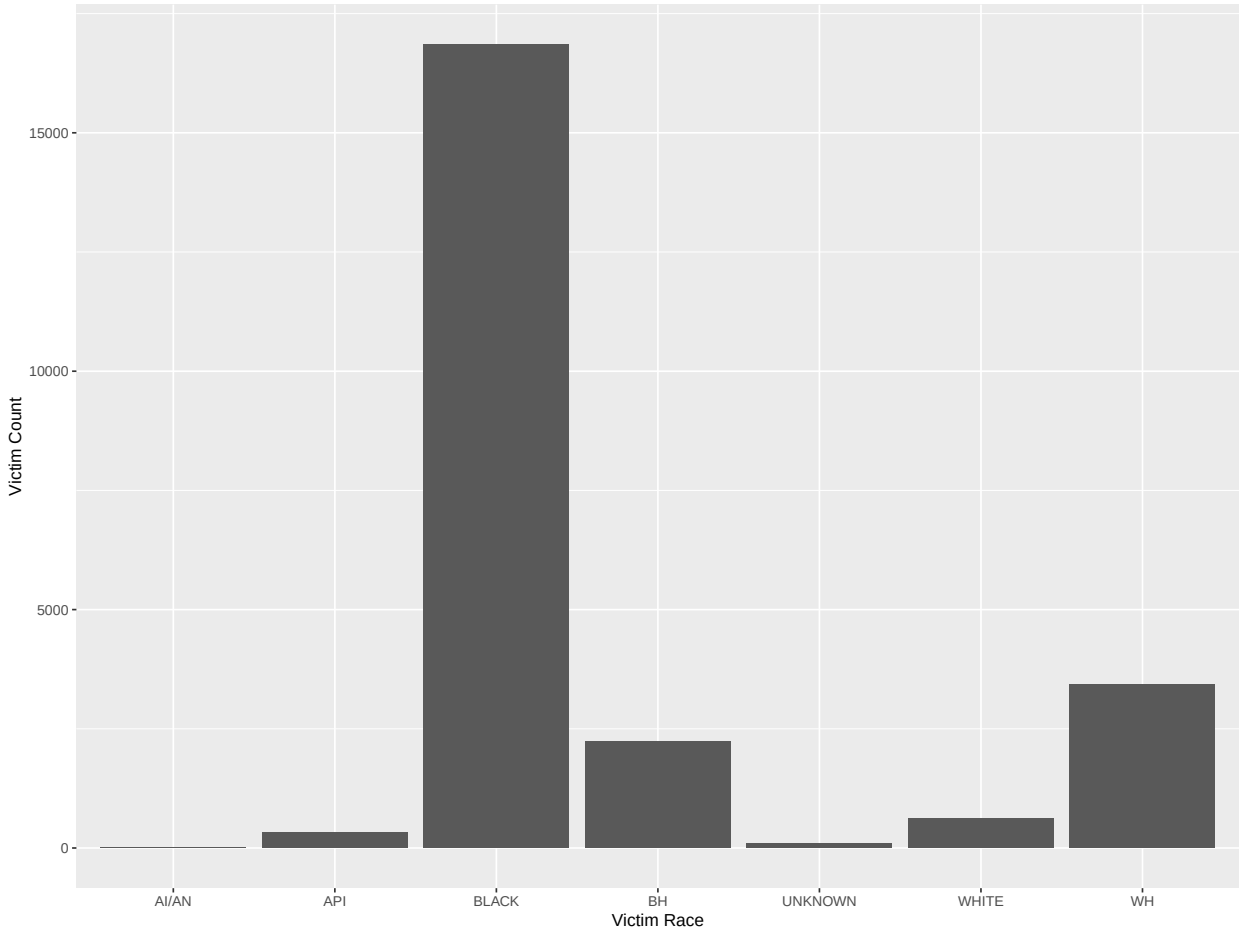
```
library(tidyverse)
```

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

## v ggplot2 3.3.5     v purrr   0.3.4
## v tibble  3.1.4     v dplyr   1.0.7
## v tidyr   1.1.4     v stringr 1.4.0
## v readr   2.0.2     v forcats 0.5.1

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

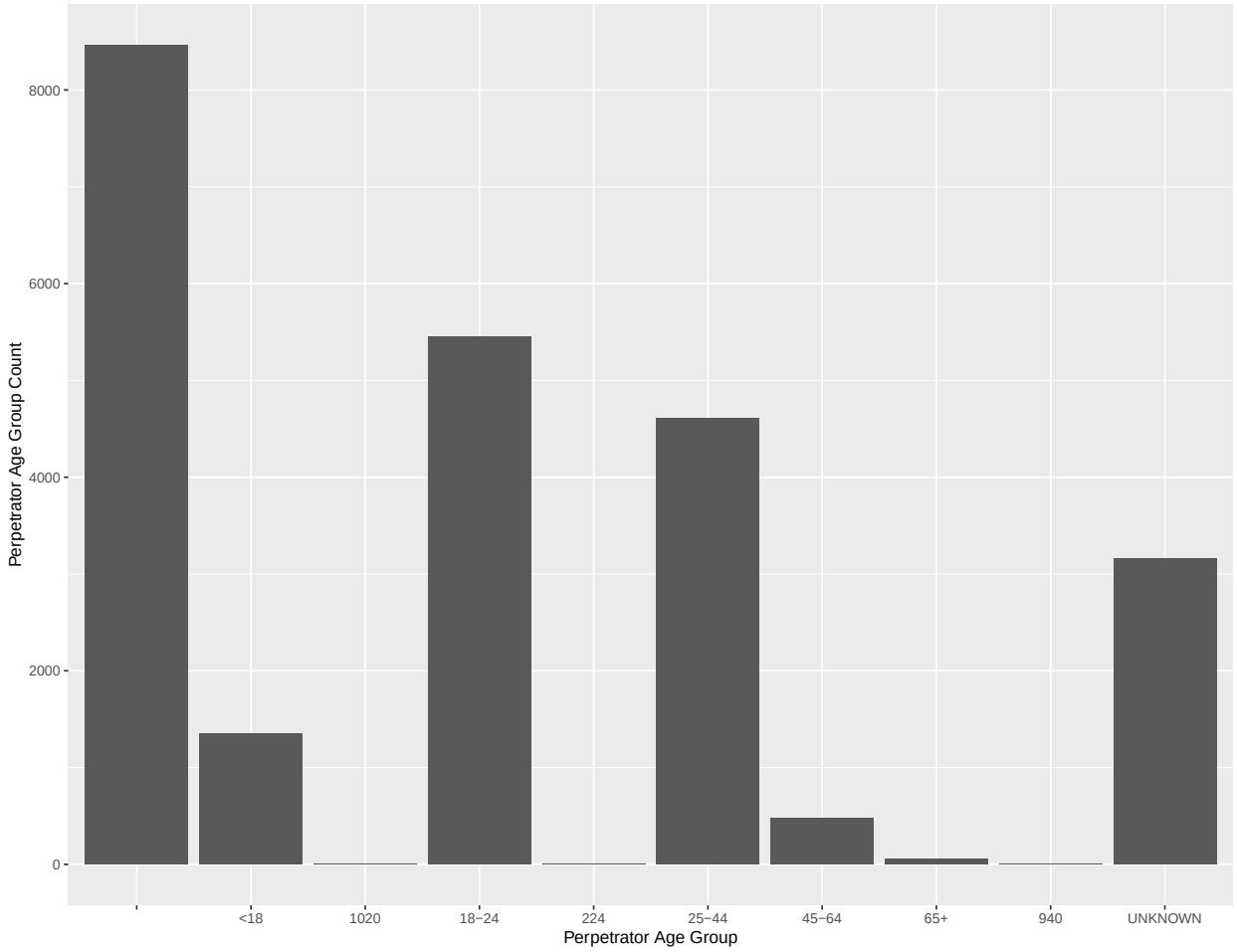
```
library(ggplot2)

urls <- ("https://data.cityofnewyork.us/api/views/833y-fsy8/rows.csv?accessType=DOWNLOAD")
police_data <- read.csv(urls[1])
police_data <- police_data %>% select(-c(JURISDICTION_CODE,PRECINCT,X_COORD_CD,Y_COORD_CD,Latitude,Long
                                         ,LOCATION_DESC,STATISTICAL_MURDER_FLAG,INCIDENT_KEY,BORO,PERP_

ggplot(police_data, aes(x = PERP_RACE)) + geom_bar() + labs(x = "Perpetrator Race",y = "Perpetrator Cou
```



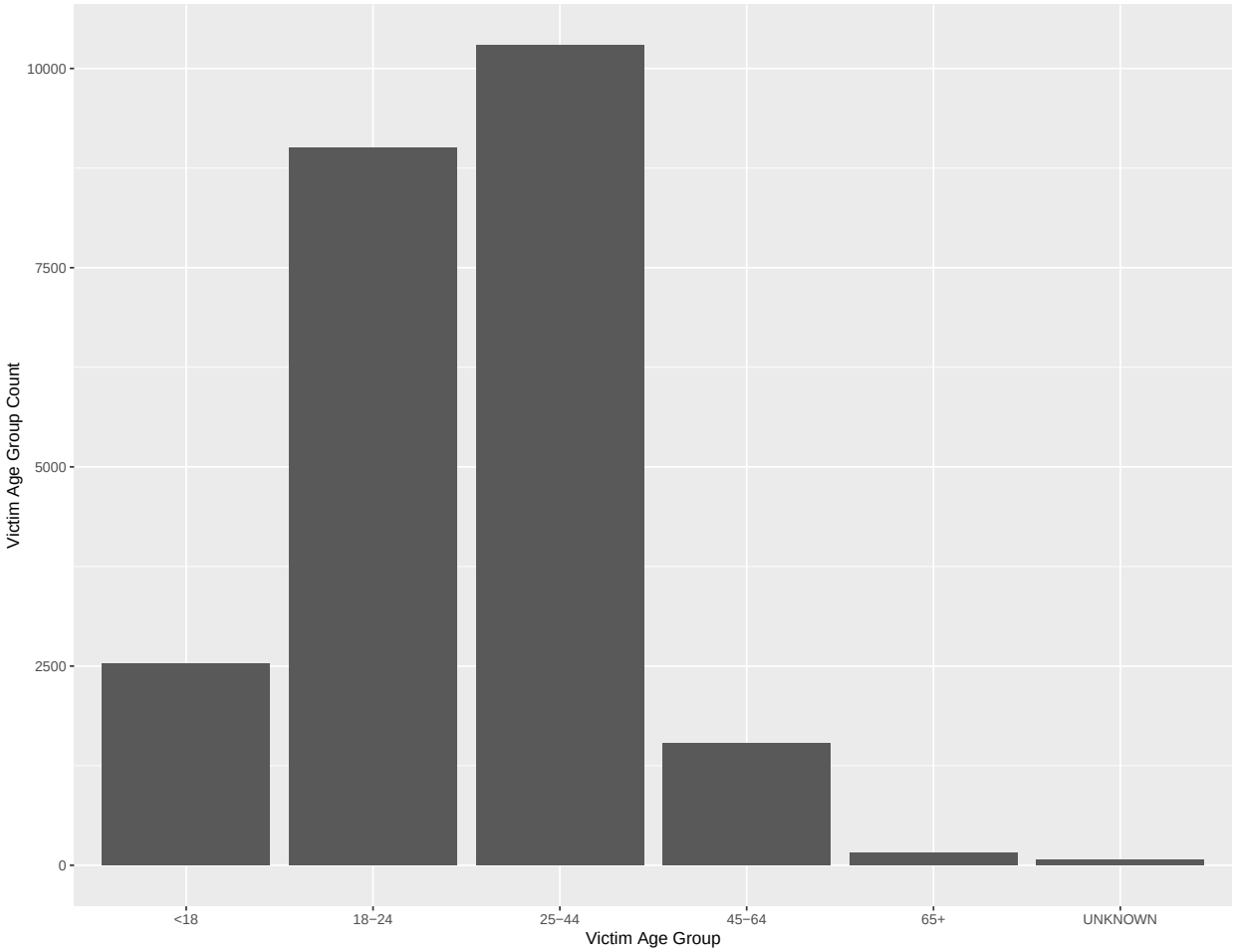

```
ggplot(police_data, aes(x = VIC_RACE)) + geom_bar() +labs(x = "Victim Race", y = "Victim Count") + scal
```




```
ggplot(police_data, aes(x = PERP_AGE_GROUP)) + geom_bar() + labs(x = "Perpetrator Age Group",y = "Perpe
```




```
ggplot(police_data, aes(x = VIC_AGE_GROUP)) + geom_bar() +labs(x = "Victim Age Group",y = "Victim Age G
```


10000
7500
5000
2500
0
Victim Age Group Count
<18
18–24
25–44
45–64
65+
UNKNOWN
Victim Age Group