

Week-9: Webpage + diary entry

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17-10-2023

Question 1: What is the topic that you have finalized?

Solution: current topic: Homicide rate in US from 1984-2014 It can help us understand of and prevent future crime, for the welfare of the society.

Question 2. What are the data sources that you have curated so far?

Solution: I get this data set from Kaggle

```
homicide <- read.csv("database.csv")
summary(homicide)
```

```
##      Record.ID      Agency.Code      Agency.Name      Agency.Type
## Min.      :      1      Length:638454      Length:638454      Length:638454
## 1st Qu.:159614      Class :character      Class :character      Class :character
## Median :319228      Mode  :character      Mode  :character      Mode  :character
## Mean    :319228
## 3rd Qu.:478841
## Max.    :638454
##
##      City      State      Year      Month
## Length:638454      Length:638454      Min.    :1980      Length:638454
## Class :character      Class :character      1st Qu.:1987      Class :character
## Mode  :character      Mode  :character      Median :1995      Mode  :character
##                               Mean    :1996
##                               3rd Qu.:2004
##                               Max.    :2014
##
##      Incident      Crime.Type      Crime.Solved      Victim.Sex
## Min.      : 0.00      Length:638454      Length:638454      Length:638454
## 1st Qu.: 1.00      Class :character      Class :character      Class :character
## Median : 2.00      Mode  :character      Mode  :character      Mode  :character
## Mean    : 22.97
## 3rd Qu.: 10.00
## Max.    :999.00
##
##      Victim.Age      Victim.Race      Victim.Ethnicity      Perpetrator.Sex
## Min.      : 0.00      Length:638454      Length:638454      Length:638454
## 1st Qu.: 22.00      Class :character      Class :character      Class :character
## Median : 30.00      Mode  :character      Mode  :character      Mode  :character
## Mean    : 35.03
## 3rd Qu.: 42.00
## Max.    :998.00
```

```

##
## Perpetrator.Age Perpetrator.Race Perpetrator.Ethnicity Relationship
## Min. : 0.00 Length:638454 Length:638454 Length:638454
## 1st Qu.: 0.00 Class :character Class :character Class :character
## Median :21.00 Mode :character Mode :character Mode :character
## Mean :20.32
## 3rd Qu.:31.00
## Max. :99.00
## NA's :1
## Weapon Victim.Count Perpetrator.Count Record.Source
## Length:638454 Min. : 0.0000 Min. : 0.0000 Length:638454
## Class :character 1st Qu.: 0.0000 1st Qu.: 0.0000 Class :character
## Mode :character Median : 0.0000 Median : 0.0000 Mode :character
## Mean : 0.1233 Mean : 0.1852
## 3rd Qu.: 0.0000 3rd Qu.: 0.0000
## Max. :10.0000 Max. :10.0000
##

```