

A look into Homelessness Data in America (Final Project Step2)

Janine Par

2022-05-22

Importing and Cleasing of Data

The different datasets gathered for Homeless data analysis were downloaded in excel (xlxs) and csv format. The following were applied to the data sources:

2021 AHAR: Part 1 - PIT Estimates of Homelessness in the U.S. 2007-2021-PIT-Counts-by-State

- The structure of the spreadsheet have Point In Time homeless information for each year separated in every sheet
- I have created a loop that will read through the Sheet of the years that I'm interested (2017-2022). Each Iteration will append to the new dataframe for PIT Homeless information
- Part of the loop is identifying the year where I created a constant variable of 'year'. The value is assigned is based from the excel sheet where the data is is extracted from.

```
## Set the working directory to the root of your DSC 520 directory
setwd("C:/Users/janin/OneDrive/Documents/R_repo/dsc520/")

## Load the `PIT by State 2015-2022`

# Using For loop, read sheet for year I wanted to extract.
pit_year <- c("2020","2019","2018","2017")

pit_homeless_df <- data.frame()
for (year in pit_year)
{
  # df_name <- paste("pit",year,"_df", sep = "")
  temp<- read_excel("data/homelessdata/2007-2021-PIT-Counts-by-State.xlsx", sheet =year )
  temp["year"] <- year
  #assign(x=df_name, value=temp) #data frame created for every PIT year
  #rm(temp)
  pit_homeless_df <- rbind(pit_homeless_df,temp)
  rm(temp) #Clean-up
}

head (pit_homeless_df)
```

```
## # A tibble: 6 x 542
##   State Number_of_CoCs Total_PIT_Homeless Total_Under_18 Total_Age_18_to_24
##   <chr>          <dbl>          <dbl>          <dbl>          <dbl>
## 1 AK              2            1949            326            197
```

```
## 2 AL      8      3351      528      198
## 3 AR      4      2366      195      258
## 4 AS      0      NA      NA      NA
## 5 AZ      3     10979     1722     824
## 6 CA     44    161548    16141    13391
## # ... with 537 more variables: Total_Over_24 <dbl>, Total_Female <dbl>,
## #   Total_Male <dbl>, Total_Transgender <dbl>, Total_GenderNonConform <dbl>,
## #   Total_NonHispanic <dbl>, Total_Hispanic <dbl>, Total_White <dbl>,
## #   Total_AfricanAmerican <dbl>, Total_Asian <dbl>, Total_AmericanIndian <dbl>,
## #   Total_Hawaiian <dbl>, Total_Multiple_Races <dbl>, S_ES_ <dbl>,
## #   S_ES_Under_18 <dbl>, S_ES_Age_18_to_24 <dbl>, S_ES_Over_24 <dbl>,
## #   S_ES_Female <dbl>, S_ES_Male <dbl>, S_ES_Transgender <dbl>, ...
```

The accompanying Housing Inventory Count (HIC) data 2007-2021-HIC-Counts-by-State

- Similar with the PIT information. The structure of the spreadsheet have HIC data information for each year separated in every sheet
- I have created a loop that will read through the Sheet of the years that I'm interested (2017-2022). Each Iteration will append to the new dataframe for HIC Homeless information
- Part of the loop is identifying the year where I created a constant variable of 'year'. The value is assigned is based from the excel sheet where the data is is extracted from.

```
## Set the working directory to the root of your DSC 520 directory
setwd("C:/Users/janin/OneDrive/Documents/R_repo/dsc520/")

hic_year <- c("2020","2019","2018","2017")
hic_homeless_df <- data.frame()

for (year in hic_year)
{
  temp<- read_excel("data/homelessdata/2007-2021-HIC-Counts-by-State.xlsx", sheet =year,skip=1 )
  temp["year"] <- year
  hic_homeless_df <- rbind(hic_homeless_df,temp)
  rm(temp) #Clean-up
}

head (hic_homeless_df)
```

```
## # A tibble: 6 x 78
##   State TOTAL_YEAR_BED 'Total Non-DV Year-Ro~' 'Total HMIS Ye~' 'HMIS Particip~'
##   <chr>      <dbl>      <dbl>      <dbl>      <dbl>
## 1 AK        1885        1347        1122        0.595
## 2 AL        2913        2291        1659        0.570
## 3 AR        1686        1193         680        0.403
## 4 AZ        6079        4943        4352        0.716
## 5 CA       53265       48649       35666        0.670
## 6 CO        8274        7693        4460        0.539
## # ... with 73 more variables: TOTAL_YEAR_BED_ES <dbl>, TOTAL_YEAR_BED_TH <dbl>,
## #   TOTAL_YEAR_BED_SH <dbl>,
## #   'Total Units for Households with Children (ES, TH, SH)' <dbl>,
## #   'Total Beds for Households with Children (ES, TH, SH)' <dbl>,
## #   'Total Beds for Households without Children (ES, TH, SH)' <dbl>,
## #   'Total Beds for Households with only Children (ES, TH, SH)' <dbl>,
## #   'Dedicated Veteran Beds (ES, TH, SH)' <dbl>, ...
```

** Merging HUD Exchange Data Because of Similarity of datas tructure where data is by State and year. I have merged the information to have one raw HUD dataset (homeless_df) with data elements from

1. **2021 AHAR: Part 1 - PIT Estimates of Homelessness in the U.S.** 2007-2021-PIT-Counts-by-State
2. **The accompanying Housing Inventory Count (HIC) data** 2007-2021-HIC-Counts-by-State

This raw data includes PIT and HIC information from HUD exchange for a State and Year (for this research, the scope is 2017-2020)

```
homeless_df <- merge(pit_homeless_df, hic_homeless_df , by=c("year", "State"))

homeless_df %>% select(State,year,Number_of_CoCs,Total_PIT_Homeless, Total_Age_18_to_24, Total_Under_18,
                      Total_Transgender,Total_GenderNonConform,Total_NonHisp,Total_White,Total_Asian,
                      ,Total_AmericanIndian,S_ES_Multiple_Races,TOTAL_YEAR_BED, TOTAL_YEAR_BED_ES, TOT
colnames(homeless_df)
```

```
## [1] "State"          "year"           "Number_of_CoCs"
## [4] "Total_PIT_Homeless" "Total_Age_18_to_24" "Total_Under_18"
## [7] "Total_Over_24"    "Total_Female"     "Total_Male"
## [10] "Total_Transgender" "Total_GenderNonConform" "Total_NonHisp"
## [13] "Total_White"      "Total_Asian"      "Total_Hawaiian"
## [16] "Total_AfricanAmerican" "Total_AmericanIndian" "S_ES_Multiple_Races"
## [19] "TOTAL_YEAR_BED"   "TOTAL_YEAR_BED_ES" "TOTAL_YEAR_BED_TH"
## [22] "TOTAL_YEAR_BED_SH"
```

```
head (homeless_df)
```

```
## State year Number_of_CoCs Total_PIT_Homeless Total_Age_18_to_24
## 1 AK 2017 2 1845 186
## 2 AL 2017 8 3793 300
## 3 AR 2017 6 2467 209
## 4 AZ 2017 3 8947 660
## 5 CA 2017 43 131532 13276
## 6 CO 2017 3 10940 913
## Total_Under_18 Total_Over_24 Total_Female Total_Male Total_Transgender
## 1 305 1354 765 1075 4
## 2 528 2965 1314 2453 21
## 3 265 1993 965 1499 3
## 4 1607 6680 3331 5592 22
## 5 14207 104049 42750 87609 793
## 6 2164 7863 4014 6866 37
## Total_GenderNonConform Total_NonHisp Total_White Total_Asian Total_Hawaiian
## 1 1 1743 641 20 69
## 2 5 3721 1587 9 1
## 3 0 2405 1447 9 7
## 4 2 6876 6086 51 46
## 5 380 90040 68784 2490 1459
## 6 23 8142 7778 51 45
## Total_AfricanAmerican Total_AmericanIndian S_ES_Multiple_Races TOTAL_YEAR_BED
## 1 147 770 94 1828
```

## 2	2064	21	56	3444
## 3	892	24	40	2062
## 4	1611	704	166	5880
## 5	42282	5663	2135	44473
## 6	1788	546	279	7071
##	TOTAL_YEAR_BED_ES	TOTAL_YEAR_BED_TH	TOTAL_YEAR_BED_SH	
## 1	1130	698	0	
## 2	2073	1334	37	
## 3	1513	549	0	
## 4	3866	1978	36	
## 5	24799	19537	137	
## 6	3761	3285	25	

USA FACTS <https://usafacts.org/> This website includes public statistic is collected multiple agencies including US Census and for this analysis, I have gathered the following information for the year 2017 -2020 (when available):

1. US Population by State
2. Employment by State
3. Poverty by State
4. Percent of Adult with Depression by State
5. Violence and Crime Rate by State

- I have created a loop that will read through csv file and will capture the yearly information in column
- Part of the loop is identifying the year where I created a constant variable of 'year'. The value is assigned is based from the "COLUMN" where the data is is extracted from.
- While going to each file, the process append the dataset to usfacts_df to merge all information coming from USFACTS source

```
# Data from USFACTS

# Read US Population
## Set the working directory to the root of your DSC 520 directory
setwd("C:/Users/janin/OneDrive/Documents/R_repo/dsc520/")

us_pop_df<- read.csv("data/homelessdata/USPOPULATION.csv")
colnames(us_pop_df)
```

##	[1]	"State.Name"	"State"	"X1900"	"X1901"	"X1902"
##	[6]	"X1903"	"X1904"	"X1905"	"X1906"	"X1907"
##	[11]	"X1908"	"X1909"	"X1910"	"X1911"	"X1912"
##	[16]	"X1913"	"X1914"	"X1915"	"X1916"	"X1917"
##	[21]	"X1918"	"X1919"	"X1920"	"X1921"	"X1922"
##	[26]	"X1923"	"X1924"	"X1925"	"X1926"	"X1927"
##	[31]	"X1928"	"X1929"	"X1930"	"X1931"	"X1932"
##	[36]	"X1933"	"X1934"	"X1935"	"X1936"	"X1937"
##	[41]	"X1938"	"X1939"	"X1940"	"X1941"	"X1942"
##	[46]	"X1943"	"X1944"	"X1945"	"X1946"	"X1947"
##	[51]	"X1948"	"X1949"	"X1950"	"X1951"	"X1952"
##	[56]	"X1953"	"X1954"	"X1955"	"X1956"	"X1957"
##	[61]	"X1958"	"X1959"	"X1960"	"X1961"	"X1962"
##	[66]	"X1963"	"X1964"	"X1965"	"X1966"	"X1967"
##	[71]	"X1968"	"X1969"	"X1970"	"X1971"	"X1972"

```
## [76] "X1973"      "X1974"      "X1975"      "X1976"      "X1977"
## [81] "X1978"      "X1979"      "X1980"      "X1981"      "X1982"
## [86] "X1983"      "X1984"      "X1985"      "X1986"      "X1987"
## [91] "X1988"      "X1989"      "X1990"      "X1991"      "X1992"
## [96] "X1993"      "X1994"      "X1995"      "X1996"      "X1997"
## [101] "X1998"      "X1999"      "X2000"      "X2001"      "X2002"
## [106] "X2003"      "X2004"      "X2005"      "X2006"      "X2007"
## [111] "X2008"      "X2009"      "X2010"      "X2011"      "X2012"
## [116] "X2013"      "X2014"      "X2015"      "X2016"      "X2017"
## [121] "X2018"      "X2019"      "X2020"      "X2021"
```

```
uspop_year <- c("2020","2019","2018","2017")

us_pop_year_df <- data.frame()

for (year in uspop_year)
{
  colyear <- paste("X",year,sep = "")
  us_pop_df %>% select (State, colyear) -> temp
  temp["year"] <- year
  names(temp) <-c("State", "Population", "year")
  us_pop_year_df <- rbind(us_pop_year_df,temp)
}
```

```
## Note: Using an external vector in selections is ambiguous.
## i Use 'all_of(colyear)' instead of 'colyear' to silence this message.
## i See <https://tidyselect.r-lib.org/reference/faq-external-vector.html>.
## This message is displayed once per session.
```

```
head(us_pop_year_df)
```

```
##   State Population year
## 1    AL    4921532 2020
## 2    AK     731158 2020
## 3    AZ    7421401 2020
## 4    AR    3030522 2020
## 5    CA    39368078 2020
## 6    CO     5807719 2020
```

```
rm(us_pop_df) #Cleanup raw data

# Employment US Facts per state
us_emp_df<- read.csv("data/homelessdata/employment_usafacts.csv")

colnames(us_emp_df)
```

```
## [1] "statename" "State"      "X1948"      "X1949"      "X1950"      "X1951"
## [7] "X1952"      "X1953"      "X1954"      "X1955"      "X1956"      "X1957"
## [13] "X1958"      "X1959"      "X1960"      "X1961"      "X1962"      "X1963"
## [19] "X1964"      "X1965"      "X1966"      "X1967"      "X1968"      "X1969"
## [25] "X1970"      "X1971"      "X1972"      "X1973"      "X1974"      "X1975"
## [31] "X1976"      "X1977"      "X1978"      "X1979"      "X1980"      "X1981"
```

```
## [37] "X1982"      "X1983"      "X1984"      "X1985"      "X1986"      "X1987"
## [43] "X1988"      "X1989"      "X1990"      "X1991"      "X1992"      "X1993"
## [49] "X1994"      "X1995"      "X1996"      "X1997"      "X1998"      "X1999"
## [55] "X2000"      "X2001"      "X2002"      "X2003"      "X2004"      "X2005"
## [61] "X2006"      "X2007"      "X2008"      "X2009"      "X2010"      "X2011"
## [67] "X2012"      "X2013"      "X2014"      "X2015"      "X2016"      "X2017"
## [73] "X2018"      "X2019"      "X2020"
```

```
#uspop_year <- c("2020","2019","2018","2017")

us_emp_year_df <- data.frame()

for (year in uspop_year)
{
  colyear <- paste("X",year,sep = "")
  us_emp_df %>% select (State, colyear) -> temp
  temp["year"] <- year
  head(temp)
  names(temp) <-c("State", "Employment", "year")
  us_emp_year_df <- rbind(us_emp_year_df,temp)
}

head(us_emp_year_df)
```

```
##   State Employment year
## 1    AL          NA 2020
## 2    AK          NA 2020
## 3    AZ          NA 2020
## 4    AR          NA 2020
## 5    CA          NA 2020
## 6    CO          NA 2020
```

```
rm(us_emp_df) #Cleanup Raw Data

# Merge Variables USFACTS
usfacts_df <- merge(us_pop_year_df,us_emp_year_df, by =c("year", "State"))

# poverty US Facts per state
us_poverty_df<- read.csv("data/homelessdata/people_in_poverty_usafacts.csv")

colnames(us_poverty_df)
```

```
## [1] "Years" "State" "X1959" "X1960" "X1961" "X1962" "X1963" "X1964" "X1965"
## [10] "X1966" "X1967" "X1968" "X1969" "X1970" "X1971" "X1972" "X1973" "X1974"
## [19] "X1975" "X1976" "X1977" "X1978" "X1979" "X1980" "X1981" "X1982" "X1983"
## [28] "X1984" "X1985" "X1986" "X1987" "X1988" "X1989" "X1990" "X1991" "X1992"
## [37] "X1993" "X1994" "X1995" "X1996" "X1997" "X1998" "X1999" "X2000" "X2001"
## [46] "X2002" "X2003" "X2004" "X2005" "X2006" "X2007" "X2008" "X2009" "X2010"
## [55] "X2011" "X2012" "X2013" "X2014" "X2015" "X2016" "X2017" "X2018" "X2019"
## [64] "X2020"
```

```
us_poverty_year_df <- data.frame()

for (year in uspop_year)
{
  colyear <- paste("X",year,sep = "")
  us_poverty_df %>% select (State, colyear) -> temp
  temp["year"] <- year
  head(temp)
  names(temp) <-c("State", "Poverty", "year")
  us_poverty_year_df <- rbind(us_poverty_year_df,temp)
}

head(us_poverty_year_df)
```

```
##   State Poverty year
## 1    AL      NA 2020
## 2    AK      NA 2020
## 3    AZ      NA 2020
## 4    AR      NA 2020
## 5    CA      NA 2020
## 6    CO      NA 2020
```

```
rm(us_poverty_df) #clean up raw data

usfacts_df <- merge(usfacts_df,us_poverty_year_df, by =c("year", "State"))

# Depression
us_meddepresspct_df<- read.csv("data/homelessdata/percent_of_adults_with_depression_usafacts.csv")

colnames(us_meddepresspct_df)
```

```
## [1] "By.State" "State"      "X2011"      "X2012"      "X2013"      "X2014"
## [7] "X2015"    "X2016"      "X2017"      "X2018"      "X2019"      "X2020"
```

```
us_meddepresspct_year_df <- data.frame()

for (year in uspop_year)
{
  colyear <- paste("X",year,sep = "")
  us_meddepresspct_df %>% select (State, colyear) -> temp
  temp["year"] <- year
  head(temp)
  names(temp) <-c("State", "DepressPCT", "year")
  us_meddepresspct_year_df <- rbind(us_meddepresspct_year_df,temp)
}

head(us_meddepresspct_year_df)
```

```
##   State DepressPCT year
```

```
## 1    AL      NA 2020
## 2    AK      NA 2020
## 3    AZ      NA 2020
## 4    AR      NA 2020
## 5    CA      NA 2020
## 6    CO      NA 2020
```

```
rm (us_meddepresspct_df) #clean-up raw data

usfacts_df <- merge(usfacts_df,us_meddepresspct_year_df, by =c("year", "State"))

colnames(us_meddepresspct_year_df)
```

```
## [1] "State"      "DepressPCT" "year"
```

```
# Violence and Crime
us_violencecrime_df<- read.csv("data/homelessdata/violent_crimes_usafacts.csv")

colnames(us_violencecrime_df)
```

```
## [1] "Statename" "State"      "X1979"      "X1980"      "X1981"      "X1982"
## [7] "X1983"      "X1984"      "X1985"      "X1986"      "X1987"      "X1988"
## [13] "X1989"      "X1990"      "X1991"      "X1992"      "X1993"      "X1994"
## [19] "X1995"      "X1996"      "X1997"      "X1998"      "X1999"      "X2000"
## [25] "X2001"      "X2002"      "X2003"      "X2004"      "X2005"      "X2006"
## [31] "X2007"      "X2008"      "X2009"      "X2010"      "X2011"      "X2012"
## [37] "X2013"      "X2014"      "X2015"      "X2016"      "X2017"      "X2018"
## [43] "X2019"      "X2020"
```

```
us_violencecrime_year_df <- data.frame()

for (year in uspop_year)
{
  colyear <- paste("X",year,sep = "")
  us_violencecrime_df %>% select (State, colyear) -> temp
  temp["year"] <- year
  head(temp)
  names(temp) <-c("State", "CrimeViolence", "year")
  us_violencecrime_year_df <- rbind(us_violencecrime_year_df,temp)
  rm(temp)
}

head(us_violencecrime_year_df)
```

```
## State CrimeViolence year
## 1    AL      22322 2020
## 2    AK      6126 2020
## 3    AZ      35980 2020
## 4    AR      20363 2020
## 5    CA      174026 2020
## 6    CO      24570 2020
```



```
rm(us_violencecrime_df) #Cleanup raw data

usfacts_df <- merge(usfacts_df,us_violencecrime_year_df, by =c("year", "State"))
```

FAIR MARKET RENTS (40TH PERCENTILE RENTS) <https://www.huduser.gov/portal/datasets/fmr.html> This dataset contains Fair Market Rents (FMRs) for each state.

- I have extracted the excel spreadsheet per state and created a loop to read data for each yearly spreadsheet.
- I created a constant variable year and assign a value based on the year the data came from
- While going to each file, the process append the dataset to usfacts_df to merge this information with the USFACTS dataframe

```
# Mean housing
setwd("C:/Users/janin/OneDrive/Documents/R_repo/dsc520/")

pop_year <- c("2020","2019","2018","2017")

houserent_mean_year <- data.frame()

for (year in pop_year)
{
  excel_name <- paste("data/homelessdata/FY",year,"_50_County_rev.xlsx", sep = "")
  print(excel_name)
  temp<- read_excel(excel_name)
  temp["year"] <- year
  temp %>% select(rent50_1, rent50_2,rent50_3,rent50_4, state_alpha, year) -> temp1
  names(temp1) <-c("rent50_1", "rent50_2","rent50_3","rent50_4", "State", "year")
  houserent_mean_year <- rbind(houserent_mean_year,temp1)
  rm(temp) #Clean-up
  rm(temp1) #Clean-up
}
```

```
## [1] "data/homelessdata/FY2020_50_County_rev.xlsx"
## [1] "data/homelessdata/FY2019_50_County_rev.xlsx"
## [1] "data/homelessdata/FY2018_50_County_rev.xlsx"
## [1] "data/homelessdata/FY2017_50_County_rev.xlsx"
```

```
head(houserent_mean_year)
```

```
## # A tibble: 6 x 6
##   rent50_1 rent50_2 rent50_3 rent50_4 State year
##   <dbl>     <dbl>     <dbl>     <dbl> <chr> <chr>
## 1     699       920      1209      1560 TX   2020
## 2     699       920      1209      1560 TX   2020
## 3     699       920      1209      1560 TX   2020
## 4     397       452       591       713 PR   2020
## 5     397       452       591       713 PR   2020
## 6     397       452       591       713 PR   2020
```

```
usfacts_df <- merge(usfacts_df,houserent_mean_year, by =c("year", "State"))
```

NOAA National Climatic Data Center of the United States This dataset contains current average temperature per state. This process reads the dataset and append to usfacts_df to merge this information with the USFACTS dataframe

```
# Extracted
setwd("C:/Users/janin/OneDrive/Documents/R_repo/dsc520/")

state_ave_weather_df <- read_excel("data/homelessdata/average_weather_state.xlsx")

head(state_ave_weather_df)
```

```
## # A tibble: 6 x 5
##   Statename State ave_f ave_c weather_rank
##   <chr>      <chr> <dbl> <dbl>      <dbl>
## 1 Alabama  AL      62.8  17.1         7
## 2 Alaska   AK      26.6  -3          50
## 3 Arizona  AZ      60.3  15.7        10
## 4 Arkansas AR      60.4  15.8         9
## 5 California CA     59.4  15.2        12
## 6 Colorado CO      45.1   7.3        39
```

```
usfacts_df <- merge(usfacts_df,state_ave_weather_df, by =c("State"))

head(usfacts_df)
```

```
##   State year Population Employment Poverty DepressPCT CrimeViolence rent50_1
## 1    AK 2017    740983    329200    87000      0.185          6338      978
## 2    AK 2017    740983    329200    87000      0.185          6338      792
## 3    AK 2017    740983    329200    87000      0.185          6338      899
## 4    AK 2017    740983    329200    87000      0.185          6338     1081
## 5    AK 2017    740983    329200    87000      0.185          6338     1068
## 6    AK 2017    740983    329200    87000      0.185          6338     1009
##   rent50_2 rent50_3 rent50_4 Statename ave_f ave_c weather_rank
## 1      1128      1411      1555    Alaska 26.6  -3          50
## 2      1052      1415      1633    Alaska 26.6  -3          50
## 3      1037      1342      1610    Alaska 26.6  -3          50
## 4      1374      2000      2421    Alaska 26.6  -3          50
## 5      1398      1828      2421    Alaska 26.6  -3          50
## 6      1341      1952      2363    Alaska 26.6  -3          50
```

*** To create the Final data, I have merged the homeless_df with the HUD Exchange Information specific on homelessness and usfacts_df with state information that I believe can factor homelessness. Data is breakdown per State and Year.

- This information can be sliced to use Top state with homelessness or look at it in General population (all state)
- We can look at a specific year information within the period of 2017 - 2020
- I would like to look more on the homelessness demographic information but the challenge is that information is not available in public or may require permission to obtain which make sense because of the confidentiality of the information. This limit this analysis to not include identifying Person Risk factors to homelessness or being chronic homeless

```
us_homeless_df <- merge(homeless_df, usfacts_df, by = c("year", "State"))

head(us_homeless_df, n=200)
```

##	year	State	Number_of_CoCs	Total_PIT_Homeless	Total_Age_18_to_24
## 1	2017	AK	2	1845	186
## 2	2017	AK	2	1845	186
## 3	2017	AK	2	1845	186
## 4	2017	AK	2	1845	186
## 5	2017	AK	2	1845	186
## 6	2017	AK	2	1845	186
## 7	2017	AK	2	1845	186
## 8	2017	AK	2	1845	186
## 9	2017	AK	2	1845	186
## 10	2017	AK	2	1845	186
## 11	2017	AK	2	1845	186
## 12	2017	AK	2	1845	186
## 13	2017	AK	2	1845	186
## 14	2017	AK	2	1845	186
## 15	2017	AK	2	1845	186
## 16	2017	AK	2	1845	186
## 17	2017	AK	2	1845	186
## 18	2017	AK	2	1845	186
## 19	2017	AK	2	1845	186
## 20	2017	AK	2	1845	186
## 21	2017	AK	2	1845	186
## 22	2017	AK	2	1845	186
## 23	2017	AK	2	1845	186
## 24	2017	AK	2	1845	186
## 25	2017	AK	2	1845	186
## 26	2017	AK	2	1845	186
## 27	2017	AK	2	1845	186
## 28	2017	AK	2	1845	186
## 29	2017	AK	2	1845	186
## 30	2017	AL	8	3793	300
## 31	2017	AL	8	3793	300
## 32	2017	AL	8	3793	300
## 33	2017	AL	8	3793	300
## 34	2017	AL	8	3793	300
## 35	2017	AL	8	3793	300
## 36	2017	AL	8	3793	300
## 37	2017	AL	8	3793	300
## 38	2017	AL	8	3793	300
## 39	2017	AL	8	3793	300
## 40	2017	AL	8	3793	300
## 41	2017	AL	8	3793	300
## 42	2017	AL	8	3793	300
## 43	2017	AL	8	3793	300
## 44	2017	AL	8	3793	300
## 45	2017	AL	8	3793	300
## 46	2017	AL	8	3793	300
## 47	2017	AL	8	3793	300
## 48	2017	AL	8	3793	300

## 49	2017	AL	8	3793	300
## 50	2017	AL	8	3793	300
## 51	2017	AL	8	3793	300
## 52	2017	AL	8	3793	300
## 53	2017	AL	8	3793	300
## 54	2017	AL	8	3793	300
## 55	2017	AL	8	3793	300
## 56	2017	AL	8	3793	300
## 57	2017	AL	8	3793	300
## 58	2017	AL	8	3793	300
## 59	2017	AL	8	3793	300
## 60	2017	AL	8	3793	300
## 61	2017	AL	8	3793	300
## 62	2017	AL	8	3793	300
## 63	2017	AL	8	3793	300
## 64	2017	AL	8	3793	300
## 65	2017	AL	8	3793	300
## 66	2017	AL	8	3793	300
## 67	2017	AL	8	3793	300
## 68	2017	AL	8	3793	300
## 69	2017	AL	8	3793	300
## 70	2017	AL	8	3793	300
## 71	2017	AL	8	3793	300
## 72	2017	AL	8	3793	300
## 73	2017	AL	8	3793	300
## 74	2017	AL	8	3793	300
## 75	2017	AL	8	3793	300
## 76	2017	AL	8	3793	300
## 77	2017	AL	8	3793	300
## 78	2017	AL	8	3793	300
## 79	2017	AL	8	3793	300
## 80	2017	AL	8	3793	300
## 81	2017	AL	8	3793	300
## 82	2017	AL	8	3793	300
## 83	2017	AL	8	3793	300
## 84	2017	AL	8	3793	300
## 85	2017	AL	8	3793	300
## 86	2017	AL	8	3793	300
## 87	2017	AL	8	3793	300
## 88	2017	AL	8	3793	300
## 89	2017	AL	8	3793	300
## 90	2017	AL	8	3793	300
## 91	2017	AL	8	3793	300
## 92	2017	AL	8	3793	300
## 93	2017	AL	8	3793	300
## 94	2017	AL	8	3793	300
## 95	2017	AL	8	3793	300
## 96	2017	AL	8	3793	300
## 97	2017	AR	6	2467	209
## 98	2017	AR	6	2467	209
## 99	2017	AR	6	2467	209
## 100	2017	AR	6	2467	209
## 101	2017	AR	6	2467	209
## 102	2017	AR	6	2467	209

## 103 2017	AR	6	2467	209
## 104 2017	AR	6	2467	209
## 105 2017	AR	6	2467	209
## 106 2017	AR	6	2467	209
## 107 2017	AR	6	2467	209
## 108 2017	AR	6	2467	209
## 109 2017	AR	6	2467	209
## 110 2017	AR	6	2467	209
## 111 2017	AR	6	2467	209
## 112 2017	AR	6	2467	209
## 113 2017	AR	6	2467	209
## 114 2017	AR	6	2467	209
## 115 2017	AR	6	2467	209
## 116 2017	AR	6	2467	209
## 117 2017	AR	6	2467	209
## 118 2017	AR	6	2467	209
## 119 2017	AR	6	2467	209
## 120 2017	AR	6	2467	209
## 121 2017	AR	6	2467	209
## 122 2017	AR	6	2467	209
## 123 2017	AR	6	2467	209
## 124 2017	AR	6	2467	209
## 125 2017	AR	6	2467	209
## 126 2017	AR	6	2467	209
## 127 2017	AR	6	2467	209
## 128 2017	AR	6	2467	209
## 129 2017	AR	6	2467	209
## 130 2017	AR	6	2467	209
## 131 2017	AR	6	2467	209
## 132 2017	AR	6	2467	209
## 133 2017	AR	6	2467	209
## 134 2017	AR	6	2467	209
## 135 2017	AR	6	2467	209
## 136 2017	AR	6	2467	209
## 137 2017	AR	6	2467	209
## 138 2017	AR	6	2467	209
## 139 2017	AR	6	2467	209
## 140 2017	AR	6	2467	209
## 141 2017	AR	6	2467	209
## 142 2017	AR	6	2467	209
## 143 2017	AR	6	2467	209
## 144 2017	AR	6	2467	209
## 145 2017	AR	6	2467	209
## 146 2017	AR	6	2467	209
## 147 2017	AR	6	2467	209
## 148 2017	AR	6	2467	209
## 149 2017	AR	6	2467	209
## 150 2017	AR	6	2467	209
## 151 2017	AR	6	2467	209
## 152 2017	AR	6	2467	209
## 153 2017	AR	6	2467	209
## 154 2017	AR	6	2467	209
## 155 2017	AR	6	2467	209
## 156 2017	AR	6	2467	209

## 157 2017	AR	6	2467	209	
## 158 2017	AR	6	2467	209	
## 159 2017	AR	6	2467	209	
## 160 2017	AR	6	2467	209	
## 161 2017	AR	6	2467	209	
## 162 2017	AR	6	2467	209	
## 163 2017	AR	6	2467	209	
## 164 2017	AR	6	2467	209	
## 165 2017	AR	6	2467	209	
## 166 2017	AR	6	2467	209	
## 167 2017	AR	6	2467	209	
## 168 2017	AR	6	2467	209	
## 169 2017	AR	6	2467	209	
## 170 2017	AR	6	2467	209	
## 171 2017	AR	6	2467	209	
## 172 2017	AZ	3	8947	660	
## 173 2017	AZ	3	8947	660	
## 174 2017	AZ	3	8947	660	
## 175 2017	AZ	3	8947	660	
## 176 2017	AZ	3	8947	660	
## 177 2017	AZ	3	8947	660	
## 178 2017	AZ	3	8947	660	
## 179 2017	AZ	3	8947	660	
## 180 2017	AZ	3	8947	660	
## 181 2017	AZ	3	8947	660	
## 182 2017	AZ	3	8947	660	
## 183 2017	AZ	3	8947	660	
## 184 2017	AZ	3	8947	660	
## 185 2017	AZ	3	8947	660	
## 186 2017	AZ	3	8947	660	
## 187 2017	CA	43	131532	13276	
## 188 2017	CA	43	131532	13276	
## 189 2017	CA	43	131532	13276	
## 190 2017	CA	43	131532	13276	
## 191 2017	CA	43	131532	13276	
## 192 2017	CA	43	131532	13276	
## 193 2017	CA	43	131532	13276	
## 194 2017	CA	43	131532	13276	
## 195 2017	CA	43	131532	13276	
## 196 2017	CA	43	131532	13276	
## 197 2017	CA	43	131532	13276	
## 198 2017	CA	43	131532	13276	
## 199 2017	CA	43	131532	13276	
## 200 2017	CA	43	131532	13276	
##	Total_Under_18	Total_Over_24	Total_Female	Total_Male	Total_Transgender
## 1	305	1354	765	1075	4
## 2	305	1354	765	1075	4
## 3	305	1354	765	1075	4
## 4	305	1354	765	1075	4
## 5	305	1354	765	1075	4
## 6	305	1354	765	1075	4
## 7	305	1354	765	1075	4
## 8	305	1354	765	1075	4
## 9	305	1354	765	1075	4

## 10	305	1354	765	1075	4
## 11	305	1354	765	1075	4
## 12	305	1354	765	1075	4
## 13	305	1354	765	1075	4
## 14	305	1354	765	1075	4
## 15	305	1354	765	1075	4
## 16	305	1354	765	1075	4
## 17	305	1354	765	1075	4
## 18	305	1354	765	1075	4
## 19	305	1354	765	1075	4
## 20	305	1354	765	1075	4
## 21	305	1354	765	1075	4
## 22	305	1354	765	1075	4
## 23	305	1354	765	1075	4
## 24	305	1354	765	1075	4
## 25	305	1354	765	1075	4
## 26	305	1354	765	1075	4
## 27	305	1354	765	1075	4
## 28	305	1354	765	1075	4
## 29	305	1354	765	1075	4
## 30	528	2965	1314	2453	21
## 31	528	2965	1314	2453	21
## 32	528	2965	1314	2453	21
## 33	528	2965	1314	2453	21
## 34	528	2965	1314	2453	21
## 35	528	2965	1314	2453	21
## 36	528	2965	1314	2453	21
## 37	528	2965	1314	2453	21
## 38	528	2965	1314	2453	21
## 39	528	2965	1314	2453	21
## 40	528	2965	1314	2453	21
## 41	528	2965	1314	2453	21
## 42	528	2965	1314	2453	21
## 43	528	2965	1314	2453	21
## 44	528	2965	1314	2453	21
## 45	528	2965	1314	2453	21
## 46	528	2965	1314	2453	21
## 47	528	2965	1314	2453	21
## 48	528	2965	1314	2453	21
## 49	528	2965	1314	2453	21
## 50	528	2965	1314	2453	21
## 51	528	2965	1314	2453	21
## 52	528	2965	1314	2453	21
## 53	528	2965	1314	2453	21
## 54	528	2965	1314	2453	21
## 55	528	2965	1314	2453	21
## 56	528	2965	1314	2453	21
## 57	528	2965	1314	2453	21
## 58	528	2965	1314	2453	21
## 59	528	2965	1314	2453	21
## 60	528	2965	1314	2453	21
## 61	528	2965	1314	2453	21
## 62	528	2965	1314	2453	21
## 63	528	2965	1314	2453	21

## 64	528	2965	1314	2453	21
## 65	528	2965	1314	2453	21
## 66	528	2965	1314	2453	21
## 67	528	2965	1314	2453	21
## 68	528	2965	1314	2453	21
## 69	528	2965	1314	2453	21
## 70	528	2965	1314	2453	21
## 71	528	2965	1314	2453	21
## 72	528	2965	1314	2453	21
## 73	528	2965	1314	2453	21
## 74	528	2965	1314	2453	21
## 75	528	2965	1314	2453	21
## 76	528	2965	1314	2453	21
## 77	528	2965	1314	2453	21
## 78	528	2965	1314	2453	21
## 79	528	2965	1314	2453	21
## 80	528	2965	1314	2453	21
## 81	528	2965	1314	2453	21
## 82	528	2965	1314	2453	21
## 83	528	2965	1314	2453	21
## 84	528	2965	1314	2453	21
## 85	528	2965	1314	2453	21
## 86	528	2965	1314	2453	21
## 87	528	2965	1314	2453	21
## 88	528	2965	1314	2453	21
## 89	528	2965	1314	2453	21
## 90	528	2965	1314	2453	21
## 91	528	2965	1314	2453	21
## 92	528	2965	1314	2453	21
## 93	528	2965	1314	2453	21
## 94	528	2965	1314	2453	21
## 95	528	2965	1314	2453	21
## 96	528	2965	1314	2453	21
## 97	265	1993	965	1499	3
## 98	265	1993	965	1499	3
## 99	265	1993	965	1499	3
## 100	265	1993	965	1499	3
## 101	265	1993	965	1499	3
## 102	265	1993	965	1499	3
## 103	265	1993	965	1499	3
## 104	265	1993	965	1499	3
## 105	265	1993	965	1499	3
## 106	265	1993	965	1499	3
## 107	265	1993	965	1499	3
## 108	265	1993	965	1499	3
## 109	265	1993	965	1499	3
## 110	265	1993	965	1499	3
## 111	265	1993	965	1499	3
## 112	265	1993	965	1499	3
## 113	265	1993	965	1499	3
## 114	265	1993	965	1499	3
## 115	265	1993	965	1499	3
## 116	265	1993	965	1499	3
## 117	265	1993	965	1499	3

## 118	265	1993	965	1499	3
## 119	265	1993	965	1499	3
## 120	265	1993	965	1499	3
## 121	265	1993	965	1499	3
## 122	265	1993	965	1499	3
## 123	265	1993	965	1499	3
## 124	265	1993	965	1499	3
## 125	265	1993	965	1499	3
## 126	265	1993	965	1499	3
## 127	265	1993	965	1499	3
## 128	265	1993	965	1499	3
## 129	265	1993	965	1499	3
## 130	265	1993	965	1499	3
## 131	265	1993	965	1499	3
## 132	265	1993	965	1499	3
## 133	265	1993	965	1499	3
## 134	265	1993	965	1499	3
## 135	265	1993	965	1499	3
## 136	265	1993	965	1499	3
## 137	265	1993	965	1499	3
## 138	265	1993	965	1499	3
## 139	265	1993	965	1499	3
## 140	265	1993	965	1499	3
## 141	265	1993	965	1499	3
## 142	265	1993	965	1499	3
## 143	265	1993	965	1499	3
## 144	265	1993	965	1499	3
## 145	265	1993	965	1499	3
## 146	265	1993	965	1499	3
## 147	265	1993	965	1499	3
## 148	265	1993	965	1499	3
## 149	265	1993	965	1499	3
## 150	265	1993	965	1499	3
## 151	265	1993	965	1499	3
## 152	265	1993	965	1499	3
## 153	265	1993	965	1499	3
## 154	265	1993	965	1499	3
## 155	265	1993	965	1499	3
## 156	265	1993	965	1499	3
## 157	265	1993	965	1499	3
## 158	265	1993	965	1499	3
## 159	265	1993	965	1499	3
## 160	265	1993	965	1499	3
## 161	265	1993	965	1499	3
## 162	265	1993	965	1499	3
## 163	265	1993	965	1499	3
## 164	265	1993	965	1499	3
## 165	265	1993	965	1499	3
## 166	265	1993	965	1499	3
## 167	265	1993	965	1499	3
## 168	265	1993	965	1499	3
## 169	265	1993	965	1499	3
## 170	265	1993	965	1499	3
## 171	265	1993	965	1499	3

## 172	1607	6680	3331	5592	22
## 173	1607	6680	3331	5592	22
## 174	1607	6680	3331	5592	22
## 175	1607	6680	3331	5592	22
## 176	1607	6680	3331	5592	22
## 177	1607	6680	3331	5592	22
## 178	1607	6680	3331	5592	22
## 179	1607	6680	3331	5592	22
## 180	1607	6680	3331	5592	22
## 181	1607	6680	3331	5592	22
## 182	1607	6680	3331	5592	22
## 183	1607	6680	3331	5592	22
## 184	1607	6680	3331	5592	22
## 185	1607	6680	3331	5592	22
## 186	1607	6680	3331	5592	22
## 187	14207	104049	42750	87609	793
## 188	14207	104049	42750	87609	793
## 189	14207	104049	42750	87609	793
## 190	14207	104049	42750	87609	793
## 191	14207	104049	42750	87609	793
## 192	14207	104049	42750	87609	793
## 193	14207	104049	42750	87609	793
## 194	14207	104049	42750	87609	793
## 195	14207	104049	42750	87609	793
## 196	14207	104049	42750	87609	793
## 197	14207	104049	42750	87609	793
## 198	14207	104049	42750	87609	793
## 199	14207	104049	42750	87609	793
## 200	14207	104049	42750	87609	793
##	Total_GenderNonConform	Total_NonHisp	Total_White	Total_Asian	Total_Hawaiian
## 1		1	1743	641	20
## 2		1	1743	641	20
## 3		1	1743	641	20
## 4		1	1743	641	20
## 5		1	1743	641	20
## 6		1	1743	641	20
## 7		1	1743	641	20
## 8		1	1743	641	20
## 9		1	1743	641	20
## 10		1	1743	641	20
## 11		1	1743	641	20
## 12		1	1743	641	20
## 13		1	1743	641	20
## 14		1	1743	641	20
## 15		1	1743	641	20
## 16		1	1743	641	20
## 17		1	1743	641	20
## 18		1	1743	641	20
## 19		1	1743	641	20
## 20		1	1743	641	20
## 21		1	1743	641	20
## 22		1	1743	641	20
## 23		1	1743	641	20
## 24		1	1743	641	20

## 25	1	1743	641	20	69
## 26	1	1743	641	20	69
## 27	1	1743	641	20	69
## 28	1	1743	641	20	69
## 29	1	1743	641	20	69
## 30	5	3721	1587	9	1
## 31	5	3721	1587	9	1
## 32	5	3721	1587	9	1
## 33	5	3721	1587	9	1
## 34	5	3721	1587	9	1
## 35	5	3721	1587	9	1
## 36	5	3721	1587	9	1
## 37	5	3721	1587	9	1
## 38	5	3721	1587	9	1
## 39	5	3721	1587	9	1
## 40	5	3721	1587	9	1
## 41	5	3721	1587	9	1
## 42	5	3721	1587	9	1
## 43	5	3721	1587	9	1
## 44	5	3721	1587	9	1
## 45	5	3721	1587	9	1
## 46	5	3721	1587	9	1
## 47	5	3721	1587	9	1
## 48	5	3721	1587	9	1
## 49	5	3721	1587	9	1
## 50	5	3721	1587	9	1
## 51	5	3721	1587	9	1
## 52	5	3721	1587	9	1
## 53	5	3721	1587	9	1
## 54	5	3721	1587	9	1
## 55	5	3721	1587	9	1
## 56	5	3721	1587	9	1
## 57	5	3721	1587	9	1
## 58	5	3721	1587	9	1
## 59	5	3721	1587	9	1
## 60	5	3721	1587	9	1
## 61	5	3721	1587	9	1
## 62	5	3721	1587	9	1
## 63	5	3721	1587	9	1
## 64	5	3721	1587	9	1
## 65	5	3721	1587	9	1
## 66	5	3721	1587	9	1
## 67	5	3721	1587	9	1
## 68	5	3721	1587	9	1
## 69	5	3721	1587	9	1
## 70	5	3721	1587	9	1
## 71	5	3721	1587	9	1
## 72	5	3721	1587	9	1
## 73	5	3721	1587	9	1
## 74	5	3721	1587	9	1
## 75	5	3721	1587	9	1
## 76	5	3721	1587	9	1
## 77	5	3721	1587	9	1
## 78	5	3721	1587	9	1

## 79	5	3721	1587	9	1
## 80	5	3721	1587	9	1
## 81	5	3721	1587	9	1
## 82	5	3721	1587	9	1
## 83	5	3721	1587	9	1
## 84	5	3721	1587	9	1
## 85	5	3721	1587	9	1
## 86	5	3721	1587	9	1
## 87	5	3721	1587	9	1
## 88	5	3721	1587	9	1
## 89	5	3721	1587	9	1
## 90	5	3721	1587	9	1
## 91	5	3721	1587	9	1
## 92	5	3721	1587	9	1
## 93	5	3721	1587	9	1
## 94	5	3721	1587	9	1
## 95	5	3721	1587	9	1
## 96	5	3721	1587	9	1
## 97	0	2405	1447	9	7
## 98	0	2405	1447	9	7
## 99	0	2405	1447	9	7
## 100	0	2405	1447	9	7
## 101	0	2405	1447	9	7
## 102	0	2405	1447	9	7
## 103	0	2405	1447	9	7
## 104	0	2405	1447	9	7
## 105	0	2405	1447	9	7
## 106	0	2405	1447	9	7
## 107	0	2405	1447	9	7
## 108	0	2405	1447	9	7
## 109	0	2405	1447	9	7
## 110	0	2405	1447	9	7
## 111	0	2405	1447	9	7
## 112	0	2405	1447	9	7
## 113	0	2405	1447	9	7
## 114	0	2405	1447	9	7
## 115	0	2405	1447	9	7
## 116	0	2405	1447	9	7
## 117	0	2405	1447	9	7
## 118	0	2405	1447	9	7
## 119	0	2405	1447	9	7
## 120	0	2405	1447	9	7
## 121	0	2405	1447	9	7
## 122	0	2405	1447	9	7
## 123	0	2405	1447	9	7
## 124	0	2405	1447	9	7
## 125	0	2405	1447	9	7
## 126	0	2405	1447	9	7
## 127	0	2405	1447	9	7
## 128	0	2405	1447	9	7
## 129	0	2405	1447	9	7
## 130	0	2405	1447	9	7
## 131	0	2405	1447	9	7
## 132	0	2405	1447	9	7

## 133	0	2405	1447	9	7
## 134	0	2405	1447	9	7
## 135	0	2405	1447	9	7
## 136	0	2405	1447	9	7
## 137	0	2405	1447	9	7
## 138	0	2405	1447	9	7
## 139	0	2405	1447	9	7
## 140	0	2405	1447	9	7
## 141	0	2405	1447	9	7
## 142	0	2405	1447	9	7
## 143	0	2405	1447	9	7
## 144	0	2405	1447	9	7
## 145	0	2405	1447	9	7
## 146	0	2405	1447	9	7
## 147	0	2405	1447	9	7
## 148	0	2405	1447	9	7
## 149	0	2405	1447	9	7
## 150	0	2405	1447	9	7
## 151	0	2405	1447	9	7
## 152	0	2405	1447	9	7
## 153	0	2405	1447	9	7
## 154	0	2405	1447	9	7
## 155	0	2405	1447	9	7
## 156	0	2405	1447	9	7
## 157	0	2405	1447	9	7
## 158	0	2405	1447	9	7
## 159	0	2405	1447	9	7
## 160	0	2405	1447	9	7
## 161	0	2405	1447	9	7
## 162	0	2405	1447	9	7
## 163	0	2405	1447	9	7
## 164	0	2405	1447	9	7
## 165	0	2405	1447	9	7
## 166	0	2405	1447	9	7
## 167	0	2405	1447	9	7
## 168	0	2405	1447	9	7
## 169	0	2405	1447	9	7
## 170	0	2405	1447	9	7
## 171	0	2405	1447	9	7
## 172	2	6876	6086	51	46
## 173	2	6876	6086	51	46
## 174	2	6876	6086	51	46
## 175	2	6876	6086	51	46
## 176	2	6876	6086	51	46
## 177	2	6876	6086	51	46
## 178	2	6876	6086	51	46
## 179	2	6876	6086	51	46
## 180	2	6876	6086	51	46
## 181	2	6876	6086	51	46
## 182	2	6876	6086	51	46
## 183	2	6876	6086	51	46
## 184	2	6876	6086	51	46
## 185	2	6876	6086	51	46
## 186	2	6876	6086	51	46

## 187	380	90040	68784	2490	1459
## 188	380	90040	68784	2490	1459
## 189	380	90040	68784	2490	1459
## 190	380	90040	68784	2490	1459
## 191	380	90040	68784	2490	1459
## 192	380	90040	68784	2490	1459
## 193	380	90040	68784	2490	1459
## 194	380	90040	68784	2490	1459
## 195	380	90040	68784	2490	1459
## 196	380	90040	68784	2490	1459
## 197	380	90040	68784	2490	1459
## 198	380	90040	68784	2490	1459
## 199	380	90040	68784	2490	1459
## 200	380	90040	68784	2490	1459
##	Total_AfricanAmerican	Total_AmericanIndian	S_ES_Multiple_Races		
## 1	147	770	94		
## 2	147	770	94		
## 3	147	770	94		
## 4	147	770	94		
## 5	147	770	94		
## 6	147	770	94		
## 7	147	770	94		
## 8	147	770	94		
## 9	147	770	94		
## 10	147	770	94		
## 11	147	770	94		
## 12	147	770	94		
## 13	147	770	94		
## 14	147	770	94		
## 15	147	770	94		
## 16	147	770	94		
## 17	147	770	94		
## 18	147	770	94		
## 19	147	770	94		
## 20	147	770	94		
## 21	147	770	94		
## 22	147	770	94		
## 23	147	770	94		
## 24	147	770	94		
## 25	147	770	94		
## 26	147	770	94		
## 27	147	770	94		
## 28	147	770	94		
## 29	147	770	94		
## 30	2064	21	56		
## 31	2064	21	56		
## 32	2064	21	56		
## 33	2064	21	56		
## 34	2064	21	56		
## 35	2064	21	56		
## 36	2064	21	56		
## 37	2064	21	56		
## 38	2064	21	56		
## 39	2064	21	56		

## 40	2064	21	56
## 41	2064	21	56
## 42	2064	21	56
## 43	2064	21	56
## 44	2064	21	56
## 45	2064	21	56
## 46	2064	21	56
## 47	2064	21	56
## 48	2064	21	56
## 49	2064	21	56
## 50	2064	21	56
## 51	2064	21	56
## 52	2064	21	56
## 53	2064	21	56
## 54	2064	21	56
## 55	2064	21	56
## 56	2064	21	56
## 57	2064	21	56
## 58	2064	21	56
## 59	2064	21	56
## 60	2064	21	56
## 61	2064	21	56
## 62	2064	21	56
## 63	2064	21	56
## 64	2064	21	56
## 65	2064	21	56
## 66	2064	21	56
## 67	2064	21	56
## 68	2064	21	56
## 69	2064	21	56
## 70	2064	21	56
## 71	2064	21	56
## 72	2064	21	56
## 73	2064	21	56
## 74	2064	21	56
## 75	2064	21	56
## 76	2064	21	56
## 77	2064	21	56
## 78	2064	21	56
## 79	2064	21	56
## 80	2064	21	56
## 81	2064	21	56
## 82	2064	21	56
## 83	2064	21	56
## 84	2064	21	56
## 85	2064	21	56
## 86	2064	21	56
## 87	2064	21	56
## 88	2064	21	56
## 89	2064	21	56
## 90	2064	21	56
## 91	2064	21	56
## 92	2064	21	56
## 93	2064	21	56

## 94	2064	21	56
## 95	2064	21	56
## 96	2064	21	56
## 97	892	24	40
## 98	892	24	40
## 99	892	24	40
## 100	892	24	40
## 101	892	24	40
## 102	892	24	40
## 103	892	24	40
## 104	892	24	40
## 105	892	24	40
## 106	892	24	40
## 107	892	24	40
## 108	892	24	40
## 109	892	24	40
## 110	892	24	40
## 111	892	24	40
## 112	892	24	40
## 113	892	24	40
## 114	892	24	40
## 115	892	24	40
## 116	892	24	40
## 117	892	24	40
## 118	892	24	40
## 119	892	24	40
## 120	892	24	40
## 121	892	24	40
## 122	892	24	40
## 123	892	24	40
## 124	892	24	40
## 125	892	24	40
## 126	892	24	40
## 127	892	24	40
## 128	892	24	40
## 129	892	24	40
## 130	892	24	40
## 131	892	24	40
## 132	892	24	40
## 133	892	24	40
## 134	892	24	40
## 135	892	24	40
## 136	892	24	40
## 137	892	24	40
## 138	892	24	40
## 139	892	24	40
## 140	892	24	40
## 141	892	24	40
## 142	892	24	40
## 143	892	24	40
## 144	892	24	40
## 145	892	24	40
## 146	892	24	40
## 147	892	24	40

## 148	892	24	40
## 149	892	24	40
## 150	892	24	40
## 151	892	24	40
## 152	892	24	40
## 153	892	24	40
## 154	892	24	40
## 155	892	24	40
## 156	892	24	40
## 157	892	24	40
## 158	892	24	40
## 159	892	24	40
## 160	892	24	40
## 161	892	24	40
## 162	892	24	40
## 163	892	24	40
## 164	892	24	40
## 165	892	24	40
## 166	892	24	40
## 167	892	24	40
## 168	892	24	40
## 169	892	24	40
## 170	892	24	40
## 171	892	24	40
## 172	1611	704	166
## 173	1611	704	166
## 174	1611	704	166
## 175	1611	704	166
## 176	1611	704	166
## 177	1611	704	166
## 178	1611	704	166
## 179	1611	704	166
## 180	1611	704	166
## 181	1611	704	166
## 182	1611	704	166
## 183	1611	704	166
## 184	1611	704	166
## 185	1611	704	166
## 186	1611	704	166
## 187	42282	5663	2135
## 188	42282	5663	2135
## 189	42282	5663	2135
## 190	42282	5663	2135
## 191	42282	5663	2135
## 192	42282	5663	2135
## 193	42282	5663	2135
## 194	42282	5663	2135
## 195	42282	5663	2135
## 196	42282	5663	2135
## 197	42282	5663	2135
## 198	42282	5663	2135
## 199	42282	5663	2135
## 200	42282	5663	2135
##	TOTAL_YEAR_BED	TOTAL_YEAR_BED_ES	TOTAL_YEAR_BED_TH TOTAL_YEAR_BED_SH

## 1	1828	1130	698	0
## 2	1828	1130	698	0
## 3	1828	1130	698	0
## 4	1828	1130	698	0
## 5	1828	1130	698	0
## 6	1828	1130	698	0
## 7	1828	1130	698	0
## 8	1828	1130	698	0
## 9	1828	1130	698	0
## 10	1828	1130	698	0
## 11	1828	1130	698	0
## 12	1828	1130	698	0
## 13	1828	1130	698	0
## 14	1828	1130	698	0
## 15	1828	1130	698	0
## 16	1828	1130	698	0
## 17	1828	1130	698	0
## 18	1828	1130	698	0
## 19	1828	1130	698	0
## 20	1828	1130	698	0
## 21	1828	1130	698	0
## 22	1828	1130	698	0
## 23	1828	1130	698	0
## 24	1828	1130	698	0
## 25	1828	1130	698	0
## 26	1828	1130	698	0
## 27	1828	1130	698	0
## 28	1828	1130	698	0
## 29	1828	1130	698	0
## 30	3444	2073	1334	37
## 31	3444	2073	1334	37
## 32	3444	2073	1334	37
## 33	3444	2073	1334	37
## 34	3444	2073	1334	37
## 35	3444	2073	1334	37
## 36	3444	2073	1334	37
## 37	3444	2073	1334	37
## 38	3444	2073	1334	37
## 39	3444	2073	1334	37
## 40	3444	2073	1334	37
## 41	3444	2073	1334	37
## 42	3444	2073	1334	37
## 43	3444	2073	1334	37
## 44	3444	2073	1334	37
## 45	3444	2073	1334	37
## 46	3444	2073	1334	37
## 47	3444	2073	1334	37
## 48	3444	2073	1334	37
## 49	3444	2073	1334	37
## 50	3444	2073	1334	37
## 51	3444	2073	1334	37
## 52	3444	2073	1334	37
## 53	3444	2073	1334	37
## 54	3444	2073	1334	37

## 55	3444	2073	1334	37
## 56	3444	2073	1334	37
## 57	3444	2073	1334	37
## 58	3444	2073	1334	37
## 59	3444	2073	1334	37
## 60	3444	2073	1334	37
## 61	3444	2073	1334	37
## 62	3444	2073	1334	37
## 63	3444	2073	1334	37
## 64	3444	2073	1334	37
## 65	3444	2073	1334	37
## 66	3444	2073	1334	37
## 67	3444	2073	1334	37
## 68	3444	2073	1334	37
## 69	3444	2073	1334	37
## 70	3444	2073	1334	37
## 71	3444	2073	1334	37
## 72	3444	2073	1334	37
## 73	3444	2073	1334	37
## 74	3444	2073	1334	37
## 75	3444	2073	1334	37
## 76	3444	2073	1334	37
## 77	3444	2073	1334	37
## 78	3444	2073	1334	37
## 79	3444	2073	1334	37
## 80	3444	2073	1334	37
## 81	3444	2073	1334	37
## 82	3444	2073	1334	37
## 83	3444	2073	1334	37
## 84	3444	2073	1334	37
## 85	3444	2073	1334	37
## 86	3444	2073	1334	37
## 87	3444	2073	1334	37
## 88	3444	2073	1334	37
## 89	3444	2073	1334	37
## 90	3444	2073	1334	37
## 91	3444	2073	1334	37
## 92	3444	2073	1334	37
## 93	3444	2073	1334	37
## 94	3444	2073	1334	37
## 95	3444	2073	1334	37
## 96	3444	2073	1334	37
## 97	2062	1513	549	0
## 98	2062	1513	549	0
## 99	2062	1513	549	0
## 100	2062	1513	549	0
## 101	2062	1513	549	0
## 102	2062	1513	549	0
## 103	2062	1513	549	0
## 104	2062	1513	549	0
## 105	2062	1513	549	0
## 106	2062	1513	549	0
## 107	2062	1513	549	0
## 108	2062	1513	549	0

## 109	2062	1513	549	0
## 110	2062	1513	549	0
## 111	2062	1513	549	0
## 112	2062	1513	549	0
## 113	2062	1513	549	0
## 114	2062	1513	549	0
## 115	2062	1513	549	0
## 116	2062	1513	549	0
## 117	2062	1513	549	0
## 118	2062	1513	549	0
## 119	2062	1513	549	0
## 120	2062	1513	549	0
## 121	2062	1513	549	0
## 122	2062	1513	549	0
## 123	2062	1513	549	0
## 124	2062	1513	549	0
## 125	2062	1513	549	0
## 126	2062	1513	549	0
## 127	2062	1513	549	0
## 128	2062	1513	549	0
## 129	2062	1513	549	0
## 130	2062	1513	549	0
## 131	2062	1513	549	0
## 132	2062	1513	549	0
## 133	2062	1513	549	0
## 134	2062	1513	549	0
## 135	2062	1513	549	0
## 136	2062	1513	549	0
## 137	2062	1513	549	0
## 138	2062	1513	549	0
## 139	2062	1513	549	0
## 140	2062	1513	549	0
## 141	2062	1513	549	0
## 142	2062	1513	549	0
## 143	2062	1513	549	0
## 144	2062	1513	549	0
## 145	2062	1513	549	0
## 146	2062	1513	549	0
## 147	2062	1513	549	0
## 148	2062	1513	549	0
## 149	2062	1513	549	0
## 150	2062	1513	549	0
## 151	2062	1513	549	0
## 152	2062	1513	549	0
## 153	2062	1513	549	0
## 154	2062	1513	549	0
## 155	2062	1513	549	0
## 156	2062	1513	549	0
## 157	2062	1513	549	0
## 158	2062	1513	549	0
## 159	2062	1513	549	0
## 160	2062	1513	549	0
## 161	2062	1513	549	0
## 162	2062	1513	549	0

## 163	2062	1513	549	0			
## 164	2062	1513	549	0			
## 165	2062	1513	549	0			
## 166	2062	1513	549	0			
## 167	2062	1513	549	0			
## 168	2062	1513	549	0			
## 169	2062	1513	549	0			
## 170	2062	1513	549	0			
## 171	2062	1513	549	0			
## 172	5880	3866	1978	36			
## 173	5880	3866	1978	36			
## 174	5880	3866	1978	36			
## 175	5880	3866	1978	36			
## 176	5880	3866	1978	36			
## 177	5880	3866	1978	36			
## 178	5880	3866	1978	36			
## 179	5880	3866	1978	36			
## 180	5880	3866	1978	36			
## 181	5880	3866	1978	36			
## 182	5880	3866	1978	36			
## 183	5880	3866	1978	36			
## 184	5880	3866	1978	36			
## 185	5880	3866	1978	36			
## 186	5880	3866	1978	36			
## 187	44473	24799	19537	137			
## 188	44473	24799	19537	137			
## 189	44473	24799	19537	137			
## 190	44473	24799	19537	137			
## 191	44473	24799	19537	137			
## 192	44473	24799	19537	137			
## 193	44473	24799	19537	137			
## 194	44473	24799	19537	137			
## 195	44473	24799	19537	137			
## 196	44473	24799	19537	137			
## 197	44473	24799	19537	137			
## 198	44473	24799	19537	137			
## 199	44473	24799	19537	137			
## 200	44473	24799	19537	137			
##	Population	Employment	Poverty	DepressPCT	CrimeViolence	rent50_1	rent50_2
## 1	740983	329200	87000	0.185	6338	978	1128
## 2	740983	329200	87000	0.185	6338	792	1052
## 3	740983	329200	87000	0.185	6338	899	1037
## 4	740983	329200	87000	0.185	6338	1081	1374
## 5	740983	329200	87000	0.185	6338	1068	1398
## 6	740983	329200	87000	0.185	6338	1009	1341
## 7	740983	329200	87000	0.185	6338	922	1226
## 8	740983	329200	87000	0.185	6338	836	1068
## 9	740983	329200	87000	0.185	6338	991	1265
## 10	740983	329200	87000	0.185	6338	1395	1609
## 11	740983	329200	87000	0.185	6338	1191	1374
## 12	740983	329200	87000	0.185	6338	1153	1330
## 13	740983	329200	87000	0.185	6338	828	1100
## 14	740983	329200	87000	0.185	6338	827	1099
## 15	740983	329200	87000	0.185	6338	665	875

## 16	740983	329200	87000	0.185	6338	1182	1571
## 17	740983	329200	87000	0.185	6338	931	1195
## 18	740983	329200	87000	0.185	6338	1122	1295
## 19	740983	329200	87000	0.185	6338	891	1144
## 20	740983	329200	87000	0.185	6338	1226	1415
## 21	740983	329200	87000	0.185	6338	1349	1723
## 22	740983	329200	87000	0.185	6338	825	952
## 23	740983	329200	87000	0.185	6338	699	892
## 24	740983	329200	87000	0.185	6338	1202	1555
## 25	740983	329200	87000	0.185	6338	1372	1752
## 26	740983	329200	87000	0.185	6338	1357	1803
## 27	740983	329200	87000	0.185	6338	1144	1320
## 28	740983	329200	87000	0.185	6338	989	1315
## 29	740983	329200	87000	0.185	6338	1061	1370
## 30	4877989	2018700	735000	0.238	25469	529	672
## 31	4877989	2018700	735000	0.238	25469	536	636
## 32	4877989	2018700	735000	0.238	25469	553	710
## 33	4877989	2018700	735000	0.238	25469	480	621
## 34	4877989	2018700	735000	0.238	25469	684	831
## 35	4877989	2018700	735000	0.238	25469	665	800
## 36	4877989	2018700	735000	0.238	25469	503	669
## 37	4877989	2018700	735000	0.238	25469	631	836
## 38	4877989	2018700	735000	0.238	25469	566	709
## 39	4877989	2018700	735000	0.238	25469	475	621
## 40	4877989	2018700	735000	0.238	25469	735	886
## 41	4877989	2018700	735000	0.238	25469	908	1047
## 42	4877989	2018700	735000	0.238	25469	538	621
## 43	4877989	2018700	735000	0.238	25469	538	621
## 44	4877989	2018700	735000	0.238	25469	539	716
## 45	4877989	2018700	735000	0.238	25469	560	658
## 46	4877989	2018700	735000	0.238	25469	557	689
## 47	4877989	2018700	735000	0.238	25469	529	639
## 48	4877989	2018700	735000	0.238	25469	515	621
## 49	4877989	2018700	735000	0.238	25469	812	937
## 50	4877989	2018700	735000	0.238	25469	812	937
## 51	4877989	2018700	735000	0.238	25469	467	621
## 52	4877989	2018700	735000	0.238	25469	812	937
## 53	4877989	2018700	735000	0.238	25469	545	725
## 54	4877989	2018700	735000	0.238	25469	812	937
## 55	4877989	2018700	735000	0.238	25469	702	841
## 56	4877989	2018700	735000	0.238	25469	570	658
## 57	4877989	2018700	735000	0.238	25469	467	621
## 58	4877989	2018700	735000	0.238	25469	568	714
## 59	4877989	2018700	735000	0.238	25469	501	666
## 60	4877989	2018700	735000	0.238	25469	545	665
## 61	4877989	2018700	735000	0.238	25469	538	621
## 62	4877989	2018700	735000	0.238	25469	735	886
## 63	4877989	2018700	735000	0.238	25469	545	678
## 64	4877989	2018700	735000	0.238	25469	545	678
## 65	4877989	2018700	735000	0.238	25469	494	621
## 66	4877989	2018700	735000	0.238	25469	467	621
## 67	4877989	2018700	735000	0.238	25469	735	886
## 68	4877989	2018700	735000	0.238	25469	485	644
## 69	4877989	2018700	735000	0.238	25469	684	831

## 70	4877989	2018700	735000	0.238	25469	494	621
## 71	4877989	2018700	735000	0.238	25469	553	710
## 72	4877989	2018700	735000	0.238	25469	638	797
## 73	4877989	2018700	735000	0.238	25469	528	664
## 74	4877989	2018700	735000	0.238	25469	812	937
## 75	4877989	2018700	735000	0.238	25469	506	672
## 76	4877989	2018700	735000	0.238	25469	538	621
## 77	4877989	2018700	735000	0.238	25469	510	621
## 78	4877989	2018700	735000	0.238	25469	646	859
## 79	4877989	2018700	735000	0.238	25469	665	800
## 80	4877989	2018700	735000	0.238	25469	467	621
## 81	4877989	2018700	735000	0.238	25469	570	758
## 82	4877989	2018700	735000	0.238	25469	543	722
## 83	4877989	2018700	735000	0.238	25469	474	621
## 84	4877989	2018700	735000	0.238	25469	492	654
## 85	4877989	2018700	735000	0.238	25469	538	621
## 86	4877989	2018700	735000	0.238	25469	518	689
## 87	4877989	2018700	735000	0.238	25469	563	650
## 88	4877989	2018700	735000	0.238	25469	783	954
## 89	4877989	2018700	735000	0.238	25469	564	713
## 90	4877989	2018700	735000	0.238	25469	735	886
## 91	4877989	2018700	735000	0.238	25469	600	718
## 92	4877989	2018700	735000	0.238	25469	592	778
## 93	4877989	2018700	735000	0.238	25469	547	717
## 94	4877989	2018700	735000	0.238	25469	530	705
## 95	4877989	2018700	735000	0.238	25469	594	707
## 96	4877989	2018700	735000	0.238	25469	564	713
## 97	3003855	1248700	436000	0.248	16996	486	611
## 98	3003855	1248700	436000	0.248	16996	496	659
## 99	3003855	1248700	436000	0.248	16996	543	722
## 100	3003855	1248700	436000	0.248	16996	538	696
## 101	3003855	1248700	436000	0.248	16996	536	712
## 102	3003855	1248700	436000	0.248	16996	507	674
## 103	3003855	1248700	436000	0.248	16996	460	611
## 104	3003855	1248700	436000	0.248	16996	478	635
## 105	3003855	1248700	436000	0.248	16996	471	623
## 106	3003855	1248700	436000	0.248	16996	460	611
## 107	3003855	1248700	436000	0.248	16996	713	863
## 108	3003855	1248700	436000	0.248	16996	497	611
## 109	3003855	1248700	436000	0.248	16996	538	696
## 110	3003855	1248700	436000	0.248	16996	488	649
## 111	3003855	1248700	436000	0.248	16996	479	636
## 112	3003855	1248700	436000	0.248	16996	618	799
## 113	3003855	1248700	436000	0.248	16996	494	656
## 114	3003855	1248700	436000	0.248	16996	460	611
## 115	3003855	1248700	436000	0.248	16996	460	611
## 116	3003855	1248700	436000	0.248	16996	586	710
## 117	3003855	1248700	436000	0.248	16996	460	611
## 118	3003855	1248700	436000	0.248	16996	476	611
## 119	3003855	1248700	436000	0.248	16996	536	618
## 120	3003855	1248700	436000	0.248	16996	469	623
## 121	3003855	1248700	436000	0.248	16996	530	611
## 122	3003855	1248700	436000	0.248	16996	611	812
## 123	3003855	1248700	436000	0.248	16996	618	799

## 124	3003855	1248700	436000	0.248	16996	460	611
## 125	3003855	1248700	436000	0.248	16996	596	688
## 126	3003855	1248700	436000	0.248	16996	640	775
## 127	3003855	1248700	436000	0.248	16996	511	616
## 128	3003855	1248700	436000	0.248	16996	470	625
## 129	3003855	1248700	436000	0.248	16996	485	645
## 130	3003855	1248700	436000	0.248	16996	460	611
## 131	3003855	1248700	436000	0.248	16996	523	611
## 132	3003855	1248700	436000	0.248	16996	491	653
## 133	3003855	1248700	436000	0.248	16996	460	611
## 134	3003855	1248700	436000	0.248	16996	520	691
## 135	3003855	1248700	436000	0.248	16996	634	732
## 136	3003855	1248700	436000	0.248	16996	460	611
## 137	3003855	1248700	436000	0.248	16996	460	612
## 138	3003855	1248700	436000	0.248	16996	526	635
## 139	3003855	1248700	436000	0.248	16996	523	695
## 140	3003855	1248700	436000	0.248	16996	463	611
## 141	3003855	1248700	436000	0.248	16996	526	656
## 142	3003855	1248700	436000	0.248	16996	536	712
## 143	3003855	1248700	436000	0.248	16996	713	863
## 144	3003855	1248700	436000	0.248	16996	462	614
## 145	3003855	1248700	436000	0.248	16996	570	705
## 146	3003855	1248700	436000	0.248	16996	599	699
## 147	3003855	1248700	436000	0.248	16996	486	611
## 148	3003855	1248700	436000	0.248	16996	713	863
## 149	3003855	1248700	436000	0.248	16996	756	893
## 150	3003855	1248700	436000	0.248	16996	609	765
## 151	3003855	1248700	436000	0.248	16996	521	681
## 152	3003855	1248700	436000	0.248	16996	524	672
## 153	3003855	1248700	436000	0.248	16996	484	611
## 154	3003855	1248700	436000	0.248	16996	531	613
## 155	3003855	1248700	436000	0.248	16996	556	642
## 156	3003855	1248700	436000	0.248	16996	473	629
## 157	3003855	1248700	436000	0.248	16996	467	621
## 158	3003855	1248700	436000	0.248	16996	460	611
## 159	3003855	1248700	436000	0.248	16996	713	863
## 160	3003855	1248700	436000	0.248	16996	460	611
## 161	3003855	1248700	436000	0.248	16996	497	660
## 162	3003855	1248700	436000	0.248	16996	713	863
## 163	3003855	1248700	436000	0.248	16996	462	614
## 164	3003855	1248700	436000	0.248	16996	460	611
## 165	3003855	1248700	436000	0.248	16996	538	696
## 166	3003855	1248700	436000	0.248	16996	526	699
## 167	3003855	1248700	436000	0.248	16996	466	612
## 168	3003855	1248700	436000	0.248	16996	470	625
## 169	3003855	1248700	436000	0.248	16996	618	799
## 170	3003855	1248700	436000	0.248	16996	460	611
## 171	3003855	1248700	436000	0.248	16996	551	732
## 172	7048088	2777200	951000	0.188	35647	518	681
## 173	7048088	2777200	951000	0.188	35647	558	681
## 174	7048088	2777200	951000	0.188	35647	652	781
## 175	7048088	2777200	951000	0.188	35647	639	849
## 176	7048088	2777200	951000	0.188	35647	666	832
## 177	7048088	2777200	951000	0.188	35647	809	1008

## 178	7048088	2777200	951000	0.188	35647	809	1008
## 179	7048088	2777200	951000	0.188	35647	642	806
## 180	7048088	2777200	951000	0.188	35647	541	719
## 181	7048088	2777200	951000	0.188	35647	694	922
## 182	7048088	2777200	951000	0.188	35647	894	1110
## 183	7048088	2777200	951000	0.188	35647	707	940
## 184	7048088	2777200	951000	0.188	35647	637	806
## 185	7048088	2777200	951000	0.188	35647	564	750
## 186	7048088	2777200	951000	0.188	35647	731	958
## 187	39337785	16827100	4759000	0.173	178597	774	932
## 188	39337785	16827100	4759000	0.173	178597	735	954
## 189	39337785	16827100	4759000	0.173	178597	957	1197
## 190	39337785	16827100	4759000	0.173	178597	1209	1590
## 191	39337785	16827100	4759000	0.173	178597	759	949
## 192	39337785	16827100	4759000	0.173	178597	714	931
## 193	39337785	16827100	4759000	0.173	178597	2610	3266
## 194	39337785	16827100	4759000	0.173	178597	838	1114
## 195	39337785	16827100	4759000	0.173	178597	1503	1766
## 196	39337785	16827100	4759000	0.173	178597	924	1228
## 197	39337785	16827100	4759000	0.173	178597	776	1031
## 198	39337785	16827100	4759000	0.173	178597	575	681
## 199	39337785	16827100	4759000	0.173	178597	957	1197
## 200	39337785	16827100	4759000	0.173	178597	639	824
##	rent50_3	rent50_4	Statename	ave_f	ave_c	weather_rank	
## 1	1411	1555	Alaska	26.6	-3.0	50	
## 2	1415	1633	Alaska	26.6	-3.0	50	
## 3	1342	1610	Alaska	26.6	-3.0	50	
## 4	2000	2421	Alaska	26.6	-3.0	50	
## 5	1828	2421	Alaska	26.6	-3.0	50	
## 6	1952	2363	Alaska	26.6	-3.0	50	
## 7	1534	1903	Alaska	26.6	-3.0	50	
## 8	1336	1472	Alaska	26.6	-3.0	50	
## 9	1583	1964	Alaska	26.6	-3.0	50	
## 10	2013	2218	Alaska	26.6	-3.0	50	
## 11	1858	2133	Alaska	26.6	-3.0	50	
## 12	1781	2343	Alaska	26.6	-3.0	50	
## 13	1601	1938	Alaska	26.6	-3.0	50	
## 14	1375	1515	Alaska	26.6	-3.0	50	
## 15	1095	1542	Alaska	26.6	-3.0	50	
## 16	2260	2516	Alaska	26.6	-3.0	50	
## 17	1560	1903	Alaska	26.6	-3.0	50	
## 18	1885	2282	Alaska	26.6	-3.0	50	
## 19	1431	1577	Alaska	26.6	-3.0	50	
## 20	1770	1950	Alaska	26.6	-3.0	50	
## 21	2230	2675	Alaska	26.6	-3.0	50	
## 22	1191	1478	Alaska	26.6	-3.0	50	
## 23	1225	1230	Alaska	26.6	-3.0	50	
## 24	2264	2414	Alaska	26.6	-3.0	50	
## 25	2192	2415	Alaska	26.6	-3.0	50	
## 26	2256	2799	Alaska	26.6	-3.0	50	
## 27	1922	2326	Alaska	26.6	-3.0	50	
## 28	1647	1813	Alaska	26.6	-3.0	50	
## 29	1902	2127	Alaska	26.6	-3.0	50	
## 30	943	1184	Alabama	62.8	17.1	7	

## 31	796	908	Alabama	62.8	17.1	7
## 32	955	1128	Alabama	62.8	17.1	7
## 33	818	1029	Alabama	62.8	17.1	7
## 34	1067	1145	Alabama	62.8	17.1	7
## 35	1088	1410	Alabama	62.8	17.1	7
## 36	890	956	Alabama	62.8	17.1	7
## 37	1050	1152	Alabama	62.8	17.1	7
## 38	905	977	Alabama	62.8	17.1	7
## 39	904	1012	Alabama	62.8	17.1	7
## 40	1136	1536	Alabama	62.8	17.1	7
## 41	1524	1751	Alabama	62.8	17.1	7
## 42	884	887	Alabama	62.8	17.1	7
## 43	784	1094	Alabama	62.8	17.1	7
## 44	989	1027	Alabama	62.8	17.1	7
## 45	953	1054	Alabama	62.8	17.1	7
## 46	911	1052	Alabama	62.8	17.1	7
## 47	844	1050	Alabama	62.8	17.1	7
## 48	818	887	Alabama	62.8	17.1	7
## 49	1258	1405	Alabama	62.8	17.1	7
## 50	1258	1405	Alabama	62.8	17.1	7
## 51	853	856	Alabama	62.8	17.1	7
## 52	1258	1405	Alabama	62.8	17.1	7
## 53	907	1036	Alabama	62.8	17.1	7
## 54	1258	1405	Alabama	62.8	17.1	7
## 55	1171	1482	Alabama	62.8	17.1	7
## 56	958	1159	Alabama	62.8	17.1	7
## 57	884	887	Alabama	62.8	17.1	7
## 58	954	1020	Alabama	62.8	17.1	7
## 59	879	1173	Alabama	62.8	17.1	7
## 60	832	917	Alabama	62.8	17.1	7
## 61	860	1046	Alabama	62.8	17.1	7
## 62	1136	1536	Alabama	62.8	17.1	7
## 63	903	947	Alabama	62.8	17.1	7
## 64	903	947	Alabama	62.8	17.1	7
## 65	884	887	Alabama	62.8	17.1	7
## 66	887	1094	Alabama	62.8	17.1	7
## 67	1136	1536	Alabama	62.8	17.1	7
## 68	884	888	Alabama	62.8	17.1	7
## 69	1067	1145	Alabama	62.8	17.1	7
## 70	884	887	Alabama	62.8	17.1	7
## 71	955	1128	Alabama	62.8	17.1	7
## 72	997	1099	Alabama	62.8	17.1	7
## 73	912	915	Alabama	62.8	17.1	7
## 74	1258	1405	Alabama	62.8	17.1	7
## 75	873	979	Alabama	62.8	17.1	7
## 76	884	887	Alabama	62.8	17.1	7
## 77	884	887	Alabama	62.8	17.1	7
## 78	1157	1402	Alabama	62.8	17.1	7
## 79	1088	1410	Alabama	62.8	17.1	7
## 80	807	891	Alabama	62.8	17.1	7
## 81	948	1045	Alabama	62.8	17.1	7
## 82	903	1031	Alabama	62.8	17.1	7
## 83	876	887	Alabama	62.8	17.1	7
## 84	894	1152	Alabama	62.8	17.1	7

## 85	896	1003	Alabama	62.8	17.1	7
## 86	981	984	Alabama	62.8	17.1	7
## 87	837	923	Alabama	62.8	17.1	7
## 88	1244	1440	Alabama	62.8	17.1	7
## 89	950	1156	Alabama	62.8	17.1	7
## 90	1136	1536	Alabama	62.8	17.1	7
## 91	1045	1265	Alabama	62.8	17.1	7
## 92	973	1117	Alabama	62.8	17.1	7
## 93	1027	1046	Alabama	62.8	17.1	7
## 94	882	1009	Alabama	62.8	17.1	7
## 95	971	975	Alabama	62.8	17.1	7
## 96	950	1156	Alabama	62.8	17.1	7
## 97	836	897	Arkansas	60.4	15.8	9
## 98	857	908	Arkansas	60.4	15.8	9
## 99	903	995	Arkansas	60.4	15.8	9
## 100	871	1058	Arkansas	60.4	15.8	9
## 101	945	1153	Arkansas	60.4	15.8	9
## 102	861	929	Arkansas	60.4	15.8	9
## 103	764	850	Arkansas	60.4	15.8	9
## 104	794	965	Arkansas	60.4	15.8	9
## 105	780	1098	Arkansas	60.4	15.8	9
## 106	764	910	Arkansas	60.4	15.8	9
## 107	1162	1382	Arkansas	60.4	15.8	9
## 108	867	925	Arkansas	60.4	15.8	9
## 109	871	1058	Arkansas	60.4	15.8	9
## 110	820	958	Arkansas	60.4	15.8	9
## 111	816	877	Arkansas	60.4	15.8	9
## 112	1152	1408	Arkansas	60.4	15.8	9
## 113	939	1113	Arkansas	60.4	15.8	9
## 114	764	867	Arkansas	60.4	15.8	9
## 115	889	961	Arkansas	60.4	15.8	9
## 116	888	1078	Arkansas	60.4	15.8	9
## 117	788	929	Arkansas	60.4	15.8	9
## 118	822	903	Arkansas	60.4	15.8	9
## 119	832	994	Arkansas	60.4	15.8	9
## 120	779	908	Arkansas	60.4	15.8	9
## 121	764	842	Arkansas	60.4	15.8	9
## 122	1022	1220	Arkansas	60.4	15.8	9
## 123	1152	1408	Arkansas	60.4	15.8	9
## 124	837	883	Arkansas	60.4	15.8	9
## 125	887	1056	Arkansas	60.4	15.8	9
## 126	1064	1068	Arkansas	60.4	15.8	9
## 127	801	849	Arkansas	60.4	15.8	9
## 128	782	911	Arkansas	60.4	15.8	9
## 129	924	1121	Arkansas	60.4	15.8	9
## 130	860	891	Arkansas	60.4	15.8	9
## 131	877	891	Arkansas	60.4	15.8	9
## 132	903	1013	Arkansas	60.4	15.8	9
## 133	847	850	Arkansas	60.4	15.8	9
## 134	1006	1042	Arkansas	60.4	15.8	9
## 135	1066	1290	Arkansas	60.4	15.8	9
## 136	867	870	Arkansas	60.4	15.8	9
## 137	891	1078	Arkansas	60.4	15.8	9
## 138	853	875	Arkansas	60.4	15.8	9

## 139	950	1007	Arkansas	60.4	15.8	9
## 140	875	1077	Arkansas	60.4	15.8	9
## 141	878	986	Arkansas	60.4	15.8	9
## 142	945	1153	Arkansas	60.4	15.8	9
## 143	1162	1382	Arkansas	60.4	15.8	9
## 144	785	943	Arkansas	60.4	15.8	9
## 145	930	1147	Arkansas	60.4	15.8	9
## 146	928	1012	Arkansas	60.4	15.8	9
## 147	889	891	Arkansas	60.4	15.8	9
## 148	1162	1382	Arkansas	60.4	15.8	9
## 149	1216	1423	Arkansas	60.4	15.8	9
## 150	977	1076	Arkansas	60.4	15.8	9
## 151	968	1175	Arkansas	60.4	15.8	9
## 152	920	996	Arkansas	60.4	15.8	9
## 153	889	1077	Arkansas	60.4	15.8	9
## 154	892	950	Arkansas	60.4	15.8	9
## 155	816	936	Arkansas	60.4	15.8	9
## 156	829	867	Arkansas	60.4	15.8	9
## 157	777	905	Arkansas	60.4	15.8	9
## 158	810	994	Arkansas	60.4	15.8	9
## 159	1162	1382	Arkansas	60.4	15.8	9
## 160	764	891	Arkansas	60.4	15.8	9
## 161	881	910	Arkansas	60.4	15.8	9
## 162	1162	1382	Arkansas	60.4	15.8	9
## 163	768	846	Arkansas	60.4	15.8	9
## 164	869	872	Arkansas	60.4	15.8	9
## 165	871	1058	Arkansas	60.4	15.8	9
## 166	886	963	Arkansas	60.4	15.8	9
## 167	781	1069	Arkansas	60.4	15.8	9
## 168	893	904	Arkansas	60.4	15.8	9
## 169	1152	1408	Arkansas	60.4	15.8	9
## 170	834	891	Arkansas	60.4	15.8	9
## 171	916	1140	Arkansas	60.4	15.8	9
## 172	852	939	Arizona	60.3	15.7	10
## 173	973	1154	Arizona	60.3	15.7	10
## 174	1137	1359	Arizona	60.3	15.7	10
## 175	1128	1170	Arizona	60.3	15.7	10
## 176	1181	1466	Arizona	60.3	15.7	10
## 177	1467	1702	Arizona	60.3	15.7	10
## 178	1467	1702	Arizona	60.3	15.7	10
## 179	1092	1262	Arizona	60.3	15.7	10
## 180	981	991	Arizona	60.3	15.7	10
## 181	1342	1588	Arizona	60.3	15.7	10
## 182	1402	1660	Arizona	60.3	15.7	10
## 183	1368	1646	Arizona	60.3	15.7	10
## 184	1155	1246	Arizona	60.3	15.7	10
## 185	938	1321	Arizona	60.3	15.7	10
## 186	1395	1456	Arizona	60.3	15.7	10
## 187	1352	1640	California	59.4	15.2	12
## 188	1389	1681	California	59.4	15.2	12
## 189	1682	2072	California	59.4	15.2	12
## 190	2315	2802	California	59.4	15.2	12
## 191	1346	1573	California	59.4	15.2	12
## 192	1355	1640	California	59.4	15.2	12

```
## 193      4250      5225 California  59.4  15.2      12
## 194      1578      1718 California  59.4  15.2      12
## 195      2417      2819 California  59.4  15.2      12
## 196      1536      1994 California  59.4  15.2      12
## 197      1385      1571 California  59.4  15.2      12
## 198       991      1192 California  59.4  15.2      12
## 199      1682      2072 California  59.4  15.2      12
## 200      1194      1439 California  59.4  15.2      12
```

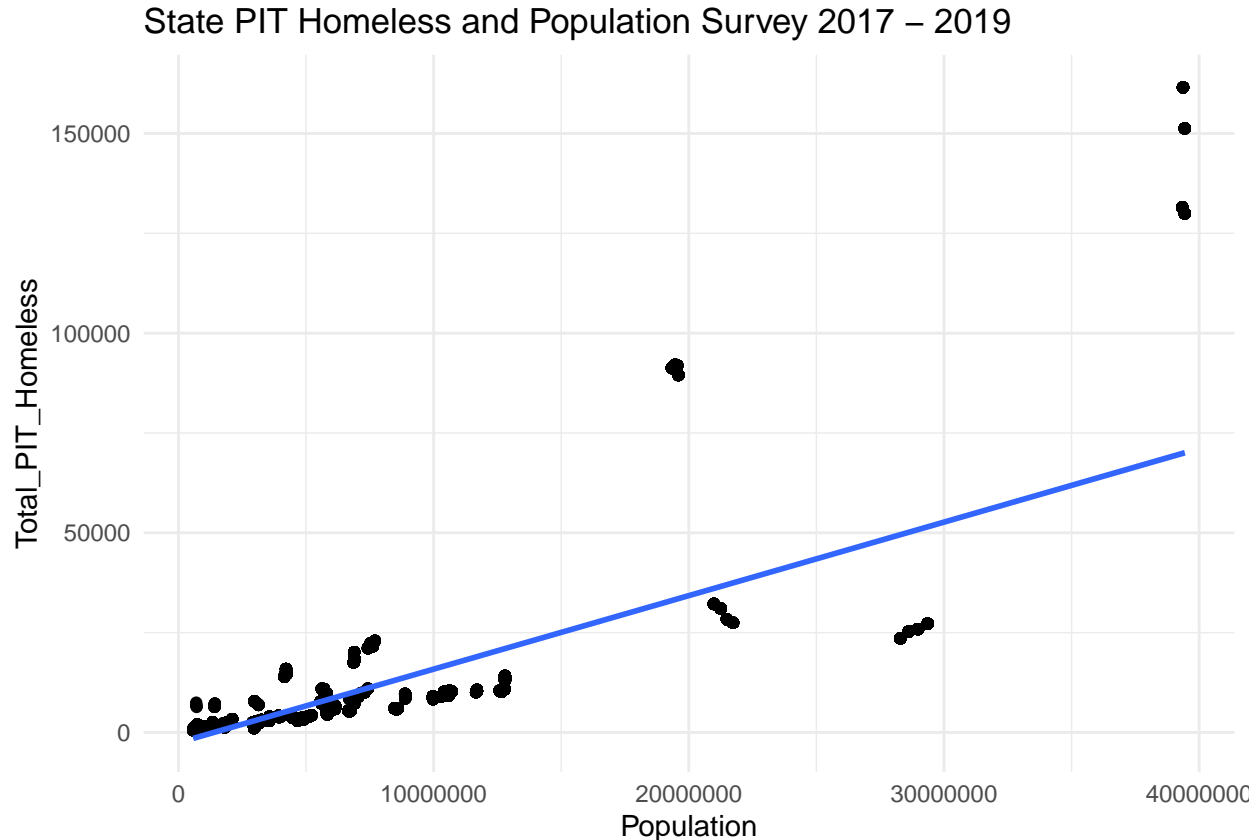
#New Variables

```
us_homeless_df$homeless_pop_ratio<- us_homeless_df$Total_PIT_Homeless/us_homeless_df$Population
```

The following scatter plots are generated to identify relationship between the PIT Homeless count with the different factors

```
#ggplot(us_homeless_df, aes(homeless_pop_ratio)) + geom_histogram(bins = 10, aes(y = ..density..)) + gg
# Adding regression line to identify relationship between the PIT Homeless count with the different fac
#ggplot(data=us_homeless_df, aes(x=State, y=Total_PIT_Homeless)) + geom_bar() + ggtitle("State PIT Home
ggplot(data=us_homeless_df, aes(x=Population, y=Total_PIT_Homeless)) + geom_point() + geom_smooth(metho
```

```
## 'geom_smooth()' using formula 'y ~ x'
```

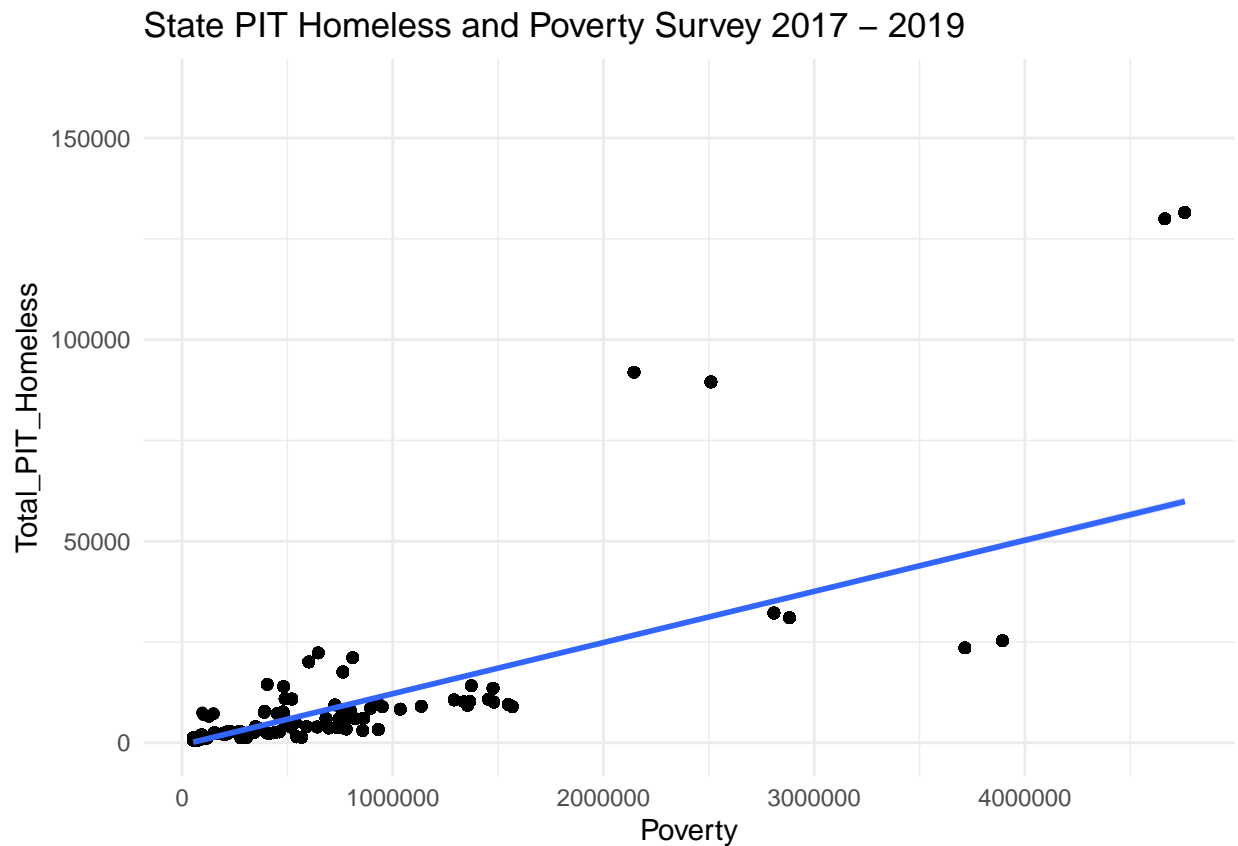


```
ggplot(data=us_homeless_df, aes(x=Poverty, y=Total_PIT_Homeless)) + geom_point() + geom_smooth(method="
```

```
## 'geom_smooth()' using formula 'y ~ x'
```

```
## Warning: Removed 9367 rows containing non-finite values (stat_smooth).
```

```
## Warning: Removed 9367 rows containing missing values (geom_point).
```



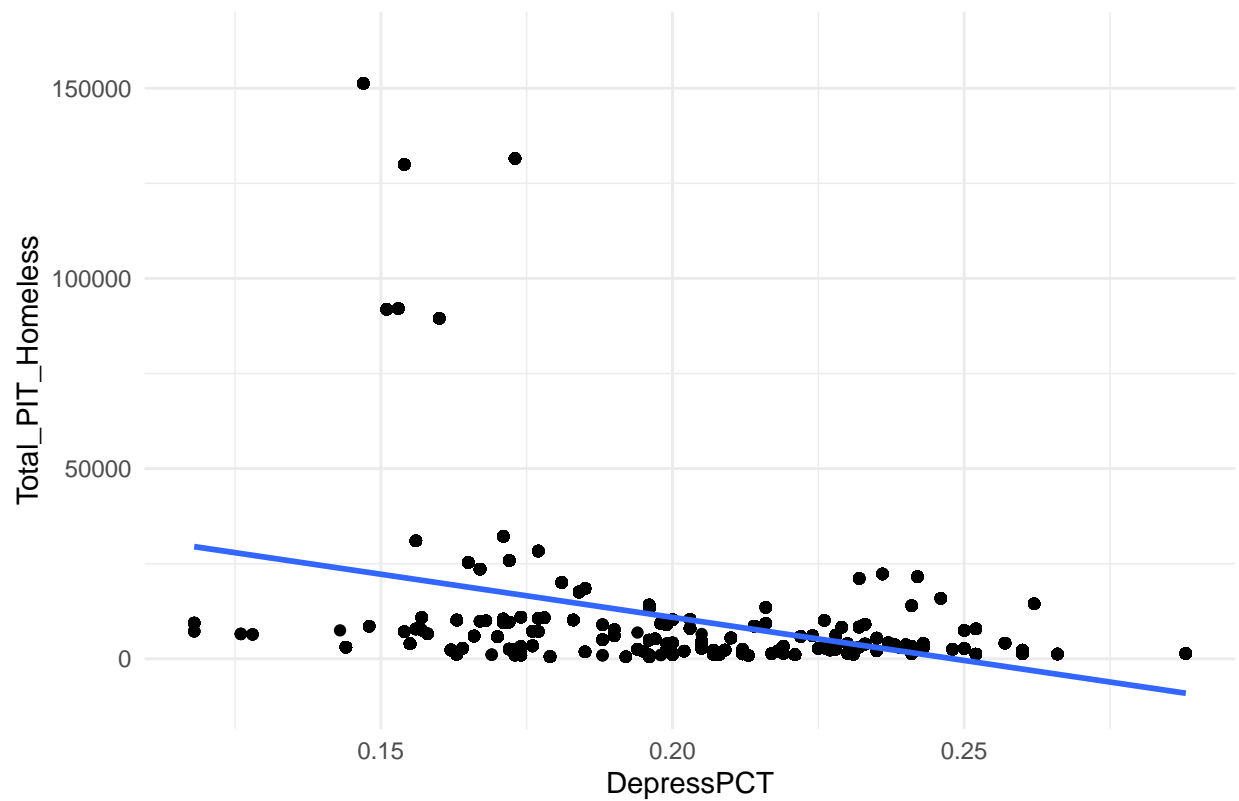
```
ggplot(data=us_homeless_df, aes(x=DepressPCT, y=Total_PIT_Homeless)) + geom_point() + geom_smooth(metho
```

```
## 'geom_smooth()' using formula 'y ~ x'
```

```
## Warning: Removed 4704 rows containing non-finite values (stat_smooth).
```

```
## Warning: Removed 4704 rows containing missing values (geom_point).
```

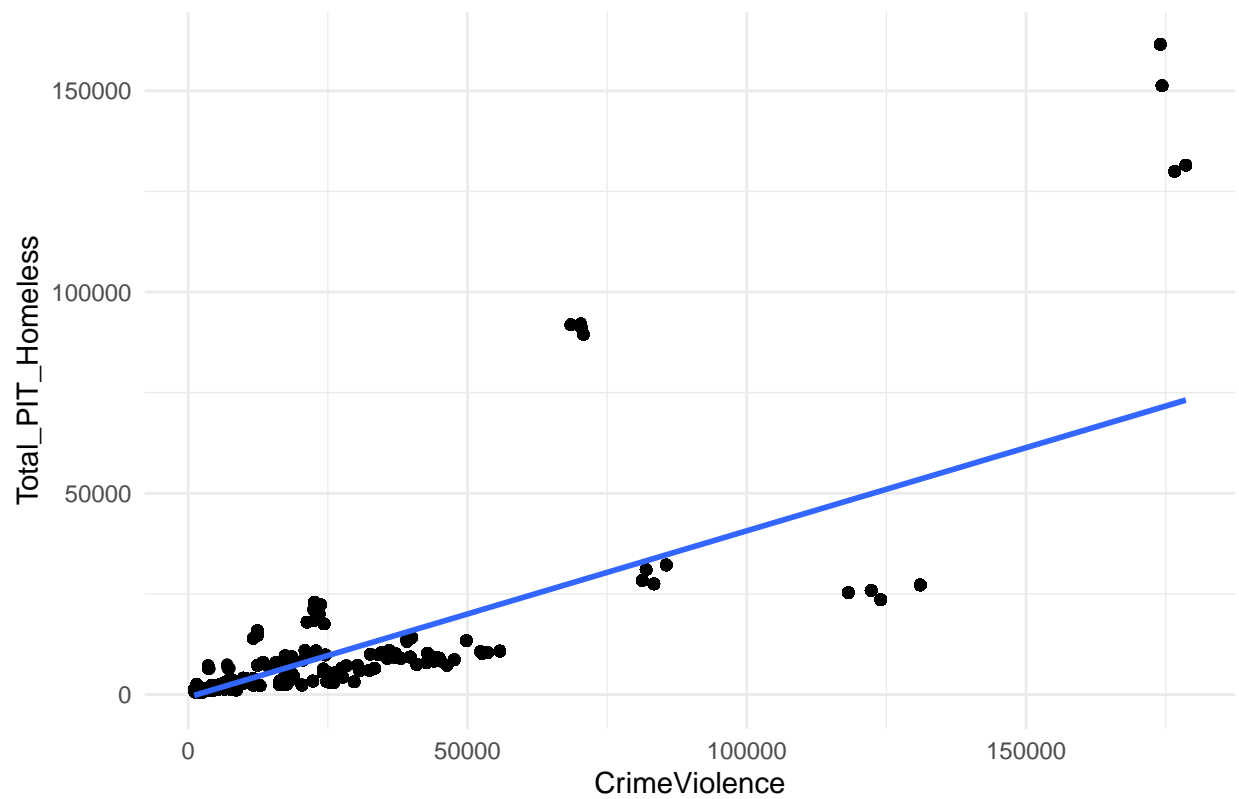
State PIT Homeless and Rate of population Depress PCT Survey 2017 -



```
ggplot(data=us_homeless_df, aes(x=CrimeViolence, y=Total_PIT_Homeless)) + geom_point() + geom_smooth(me
```

```
## 'geom_smooth()' using formula 'y ~ x'
```

State PIT Homeless and CrimeViolence 2017 – 2019



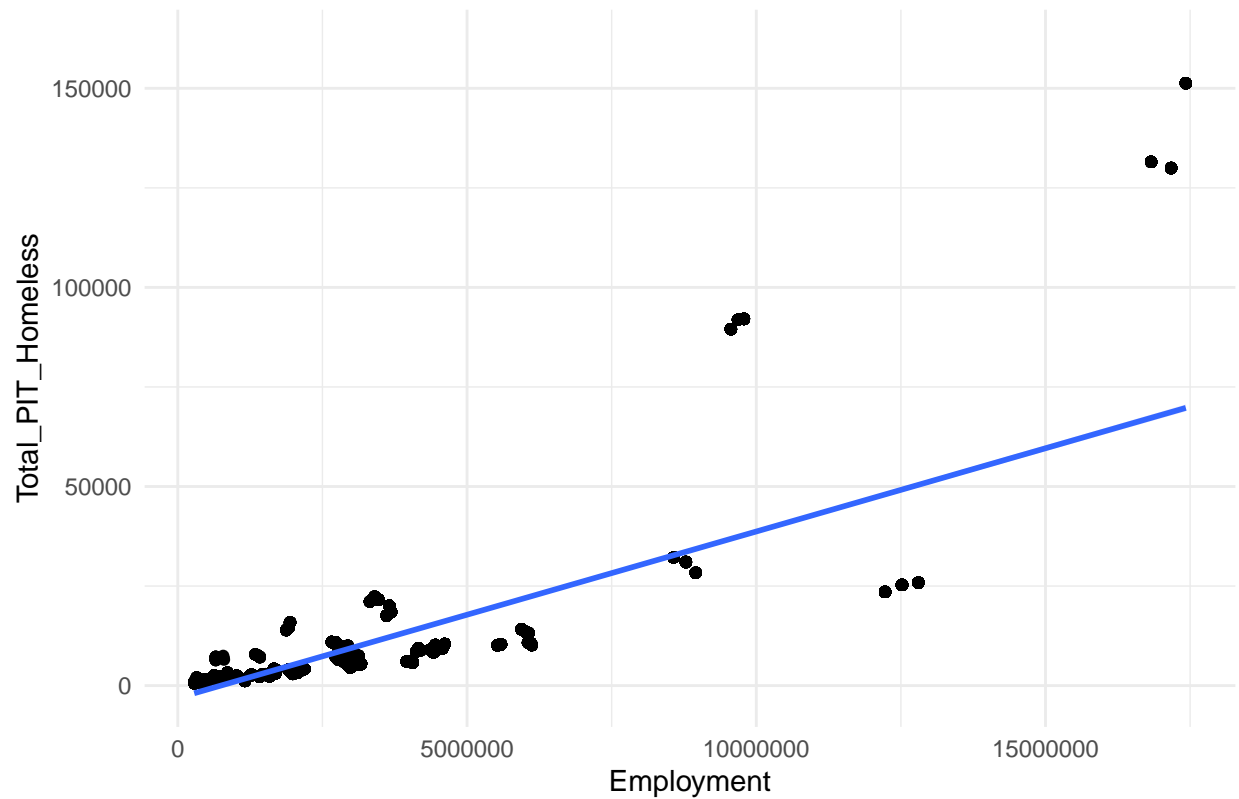
```
ggplot(data=us_homeless_df, aes(x=Employment, y=Total_PIT_Homeless)) + geom_point() + geom_smooth(method="lm")
```

```
## 'geom_smooth()' using formula 'y ~ x'
```

```
## Warning: Removed 4683 rows containing non-finite values (stat_smooth).
```

```
## Warning: Removed 4683 rows containing missing values (geom_point).
```


State PIT Homeless and Employment Rate 2017 – 2019



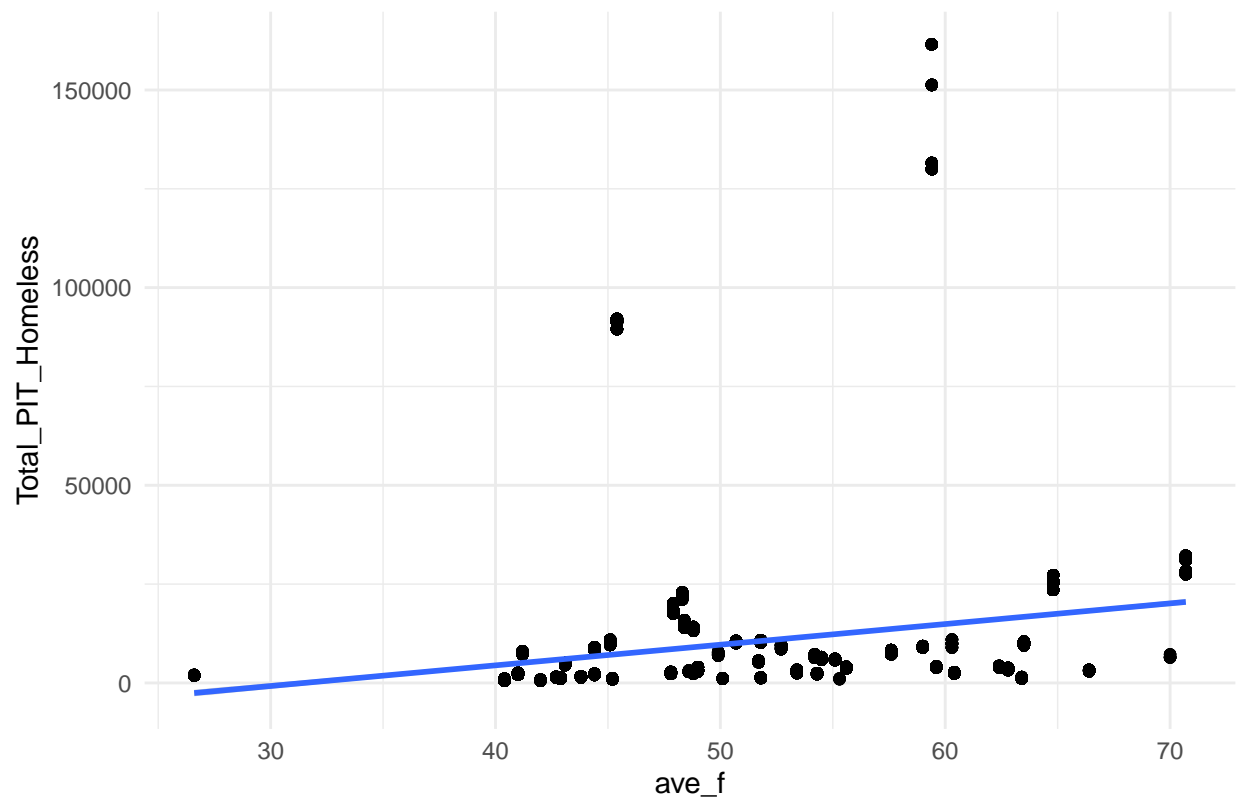
```
ggplot(data=us_homeless_df, aes(x=ave_f, y=Total_PIT_Homeless) ) + geom_point() + geom_smooth(method="lm")
```

```
## 'geom_smooth()' using formula 'y ~ x'
```

```
## Warning: Removed 4 rows containing non-finite values (stat_smooth).
```

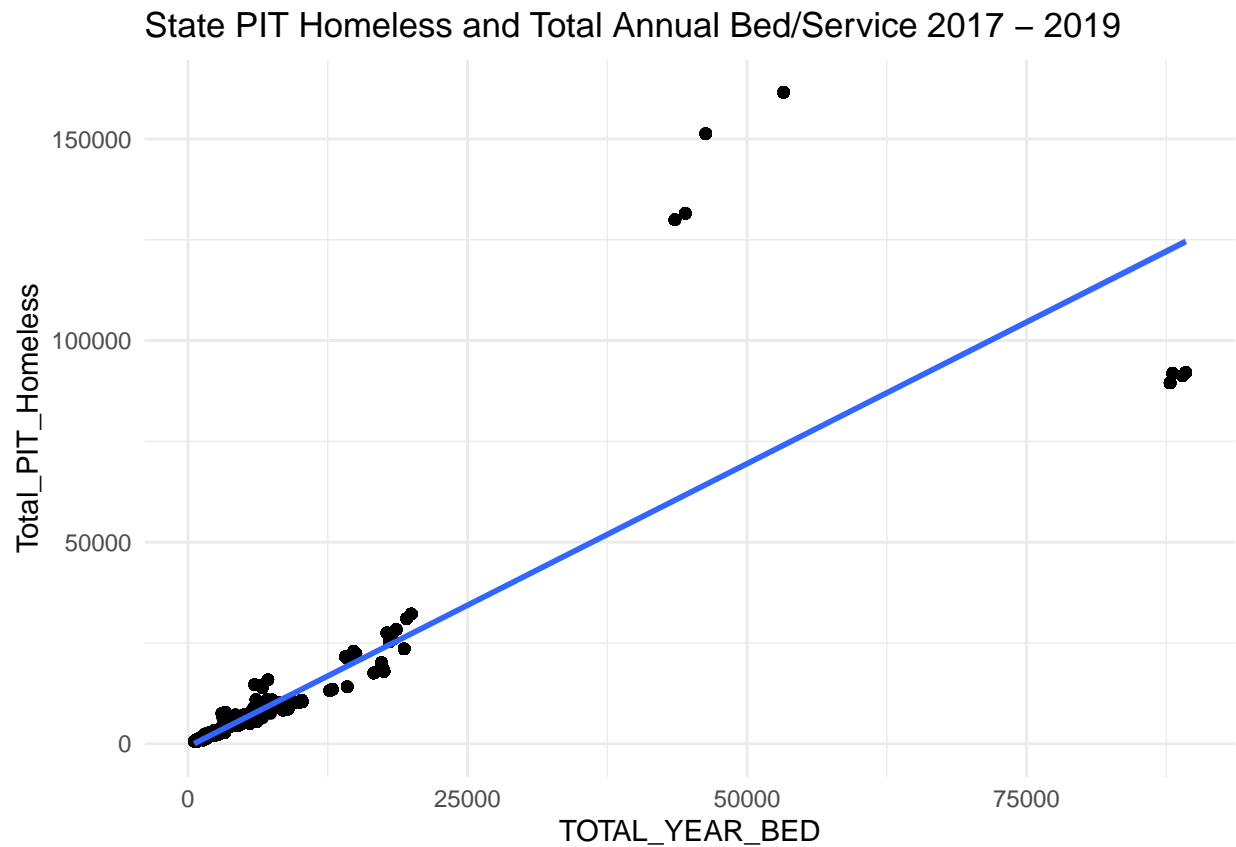
```
## Warning: Removed 4 rows containing missing values (geom_point).
```

State PIT Homeless and Average State Weather 2017 – 2019



```
ggplot(data=us_homeless_df, aes(x=TOTAL_YEAR_BED, y=Total_PIT_Homeless)) + geom_point() + geom_smooth()
```

```
## 'geom_smooth()' using formula 'y ~ x'
```



Questions for future steps and Do you plan on incorporating any machine learning techniques to answer your research questions? Explain.

- Next step is to run Correlation Analysis using these different variables with the Total PIT Homelessness.
- Data in the final dataset contains possible predictors that are quantitative continuous variable and the plot generated seem to indicate linear relationship with the TOTAL PIT Homelessness thus this can be used for multiple linear regression.