

# Income mapping in the USA: Analysis

IncomeMapper

11/3/2020

```
summary(params$data)
```

```
##          id          State_Code          State_Name          State_ab          County
## Min.      : 540210    Min.      : 1.00    West Virginia:209    WV       :209    Barbour County :210    Charles
## 1st Qu.: 5402502    1st Qu.:54.00    Alabama      : 1    AL       : 1    Abbeville County: 0    Morgant
## Median :54021025    Median :54.00    Alaska       : 0    AK       : 0    Acadia Parish  : 0    Hunting
## Mean    :30177292    Mean    :53.75    Arizona      : 0    AR       : 0    Accomack County : 0    Martins
## 3rd Qu.:54021548    3rd Qu.:54.00    Arkansas     : 0    AZ       : 0    Ada County     : 0    Wheeling
## Max.    :54022070    Max.     :54.00    California   : 0    CA       : 0    Adair County   : 0    Parkers
##                                     (Other)    : 0    (Other): 0    (Other)       : 0    (Other)
##          Type          Primary          Zip_Code          Area_Code          ALand          AWater
## Track      :207    place: 3    Min.      :21502    304      :202    Min.      : 340387    Min.      : 0    Min
## CDP        : 2    Track:207    1st Qu.:25313    740      : 4    1st Qu.: 10612440    1st Qu.: 39203    1st
## City       : 1                                     Median :25912    301      : 1    Median : 49064436    Median : 279243    Med
## Borough    : 0                                     Mean    :26262    334      : 1    Mean    :128369887    Mean    : 986303    Mean
## Community  : 0                                     3rd Qu.:26347    540      : 1    3rd Qu.:186234351    3rd Qu.:1283396    3rd
## County     : 0                                     Max.     :45771    606      : 1    Max.     :806690184    Max.     :9958154    Max
## (Other)    : 0                                     (Other): 0
##          Mean          Median          Stdev          sum_w
## Min.      : 19988    Min.      : 10875    Min.      :16422    Min.      : 21.47
## 1st Qu.: 42946    1st Qu.: 32439    1st Qu.:34076    1st Qu.: 230.36
## Median : 50041    Median : 38773    Median :42948    Median : 321.16
## Mean    : 53231    Mean    : 61044    Mean    :43138    Mean    : 467.01
## 3rd Qu.: 58913    3rd Qu.: 52250    3rd Qu.:49515    3rd Qu.: 551.40
## Max.     :121216    Max.     :300000    Max.     :92770    Max.     :1990.98
##
```

## States

```
# Selected states
if(is.null(params$selState)){
  print('None selected')
}else{
  params$selState
}
```

```
## [1] "None selected"
```

## Counties

```
# Selected counties
if(is.null(params$selCounty)){
  print('None selected')
}else{
  params$selCounty
}
```

```
## [1] "Barbour County"
```

## Income range

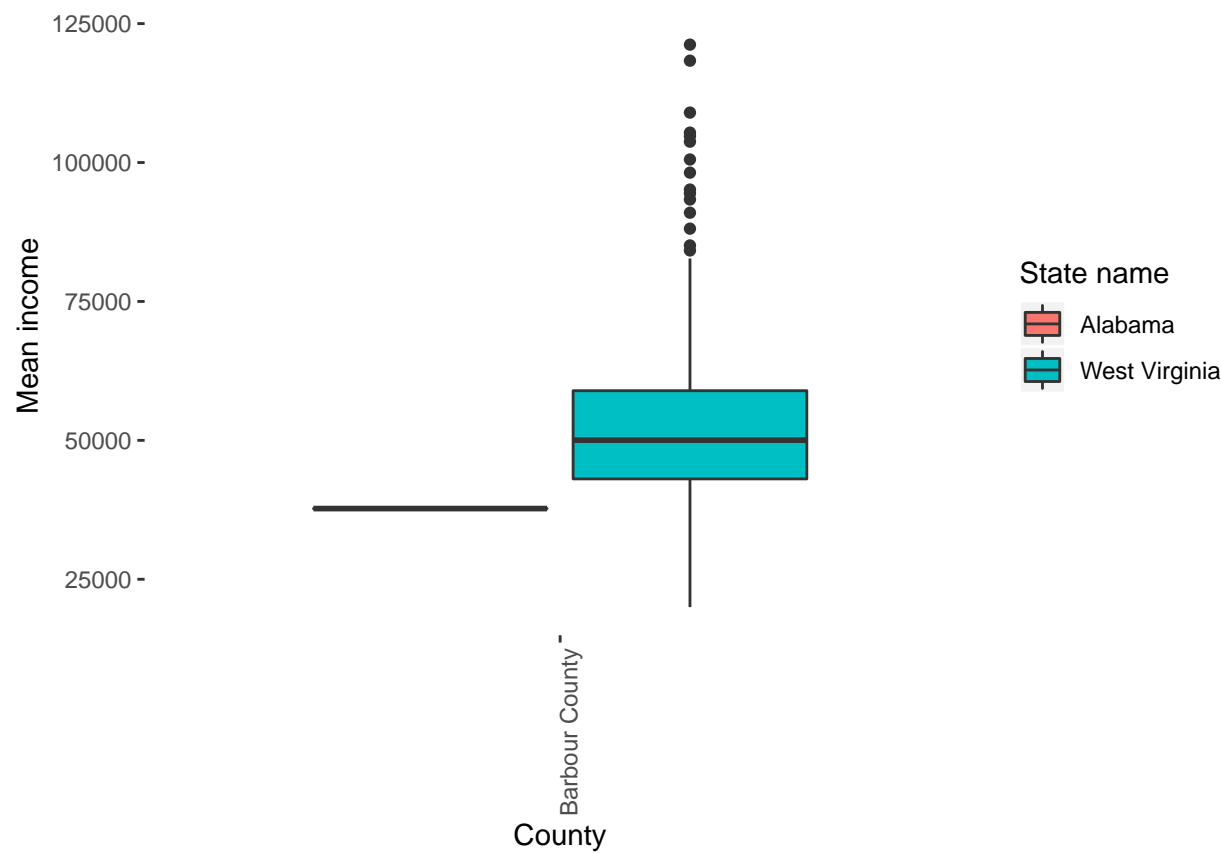
```
# Min and max income selected
params$income_min
```

```
## [1] 0
```

```
params$income_max
```

```
## [1] 242857
```

Boxplot of mean income by county



Bar plot of standard deviation in income by county

