

# Income mapping in the USA: Analysis

IncomeMapper

11/3/2020

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

```
##          id          State_Code          State_Name          State_ab          County
## Min.      :    1026  Min.      : 1.00  California : 3280  CA       : 3280  Adams County : 6707  Ch
## 1st Qu.: 8021282  1st Qu.:13.00  Texas      : 2300  TX       : 2300  Alameda County : 3128  Br
## Median : 29011679  Median :29.00  New York   : 2160  NY       : 2160  Anderson County: 2678  Ho
## Mean    : 62037073  Mean    :28.62  Florida    : 1661  FL       : 1661  Albany County  : 2094  Lo
## 3rd Qu.: 48028986  3rd Qu.:42.00  Pennsylvania: 1475  PA       : 1475  Adair County   : 1781  Ph
## Max.    :480221068  Max.    :72.00  Illinois   : 1431  IL       : 1431  Alachua County : 1568  Br
##                                     (Other) :20219  (Other):20219  (Other)       :14570  (O
##                                     Place          Type          Primary          Zip_Code          Area_Code          ALand
## Alameda city      : 3127  Track :29433  place: 3093  Min.      : 601  718      : 712  Min.      :0.00
## Elkhart           : 2108  City  : 1075  Track:29433  1st Qu.:26362  787      : 380  1st Qu.:1.90
## Albany city       : 2040  CDP   : 990           Median :48163  410      : 322  Median :5.02
## Gainesville city: 1568  Town  : 476           Mean    :50183  773      : 291  Mean    :1.16
## Abbottstown       : 1296  Village: 394           3rd Qu.:76712  215      : 259  3rd Qu.:3.09
## Camp Point        : 1281  Borough: 129           Max.    :99950  304      : 250  Max.    :9.16
## (Other)           :21106  (Other): 29           (Other):30312
##          Lat          Lon          Mean          Median          Stdev          sum_w
## Min.      :17.93  Min.      : -175.86  Min.      :    0  Min.      :    0  Min.      :    0  Min.      :    0
## 1st Qu.:34.01  1st Qu.: -97.66  1st Qu.: 46016  1st Qu.: 36046  1st Qu.: 36075  1st Qu.: 201
## Median :38.93  Median : -87.14  Median : 60738  Median : 51875  Median : 46179  Median : 329
## Mean    :37.73  Mean    : -91.30  Mean    : 66704  Mean    : 85453  Mean    : 47274  Mean    : 576
## 3rd Qu.:41.50  3rd Qu.: -79.85  3rd Qu.: 82224  3rd Qu.: 80915  3rd Qu.: 58078  3rd Qu.: 590
## Max.    :71.25  Max.    : -65.50  Max.    :242857  Max.    :300000  Max.    :113936  Max.    :612241
##
```

## 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] "None selected"
```

## Income range

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

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

```
params$income_max
```

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

## Boxplot of mean income by county

```
## [1] "Due to the high number of observations, plotting is not possible with the selected data"
```

## Bar plot of standard deviation in income by county

```
## [1] "Due to the high number of observations, plotting is not possible with the selected data"
```