

Income mapping in the USA: Analysis

IncomeMapper

11/3/2020

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

```
##           id           State_Code      State_Name  State_ab           County           City
## Min.      : 101980   Min.      : 1.00   Alabama   :4     AL       :4   Shelby County   :12   Fort Morgan : 3
## 1st Qu.: 1011165   1st Qu.: 8.00   Illinois   :4     IL       :4   Morgan County   :10   Shelbyville : 3
## Median :17013637   Median :17.00   Indiana    :4     IN       :4   Abbeville County: 0   Brooklyn    : 2
## Mean    :16305521   Mean    :17.32   Colorado   :3     CO       :3   Acadia Parish   : 0   Calera       : 1
## 3rd Qu.:18762134   3rd Qu.:18.75   Missouri   :3     MO       :3   Accomack County : 0   Collierville: 1
## Max.    :47011492   Max.    :47.00   Tennessee  :2     TN       :2   Ada County      : 0   Columbiana   : 1
##                                     (Other)  :2     (Other):2   (Other)         : 0   (Other)      :11
## Primary      Zip_Code      Area_Code      ALand      AWater      Lat      Lon
## place:22   Min.      :30025   217      :4   Min.      : 216695   Min.      : 0   Min.      :33.11   Min.      :
## Track: 0   1st Qu.:37908   317      :4   1st Qu.: 728688   1st Qu.: 0   1st Qu.:35.35   1st Qu.:
##           Median :48848   205      :3   Median : 1827972   Median : 24194   Median :39.38   Median :
##           Mean    :53045   573      :3   Mean    :14541902   Mean    :118163   Mean    :37.94   Mean    :
##           3rd Qu.:63243   970      :3   3rd Qu.:12062250   3rd Qu.:170418   3rd Qu.:39.81   3rd Qu.:
##           Max.    :80701   256      :1   Max.    :93320458   Max.    :685210   Max.    :41.72   Max.    :
##                                     (Other):4
##           Median      Stdev      sum_w
## Min.      : 22169   Min.      :13121   Min.      : 16.70
## 1st Qu.: 39542   1st Qu.:34927   1st Qu.: 52.95
## Median : 44809   Median :41182   Median : 146.66
## Mean    : 69791   Mean    :40957   Mean    : 737.46
## 3rd Qu.: 54967   3rd Qu.:47145   3rd Qu.: 339.33
## Max.    :300000   Max.    :68805   Max.    :5461.71
##
```

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] "Shelby County" "Morgan County"
```

Income range

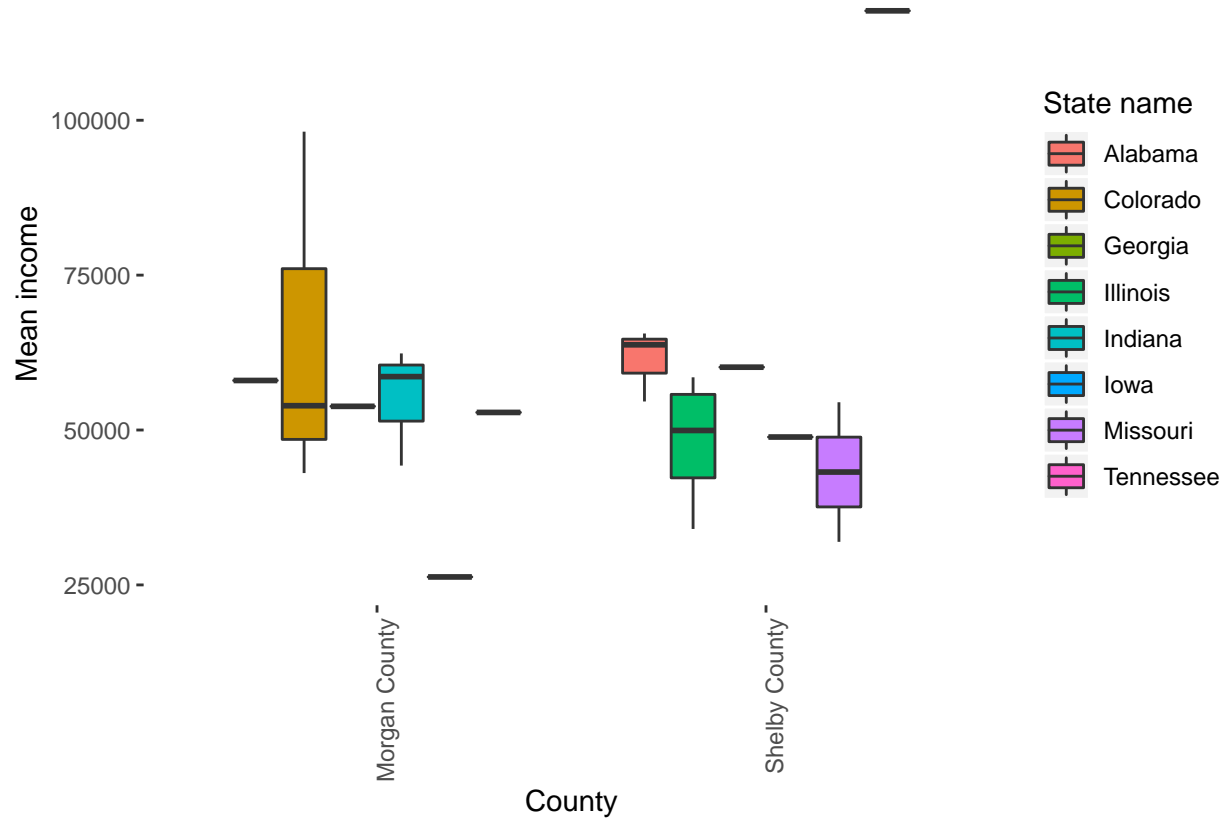
```
# Min and max income selected
params$income_min
```

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

```
params$income_max
```

```
## [1] 126670
```

Boxplot of mean income by county



Bar plot of standard deviation in income by county

