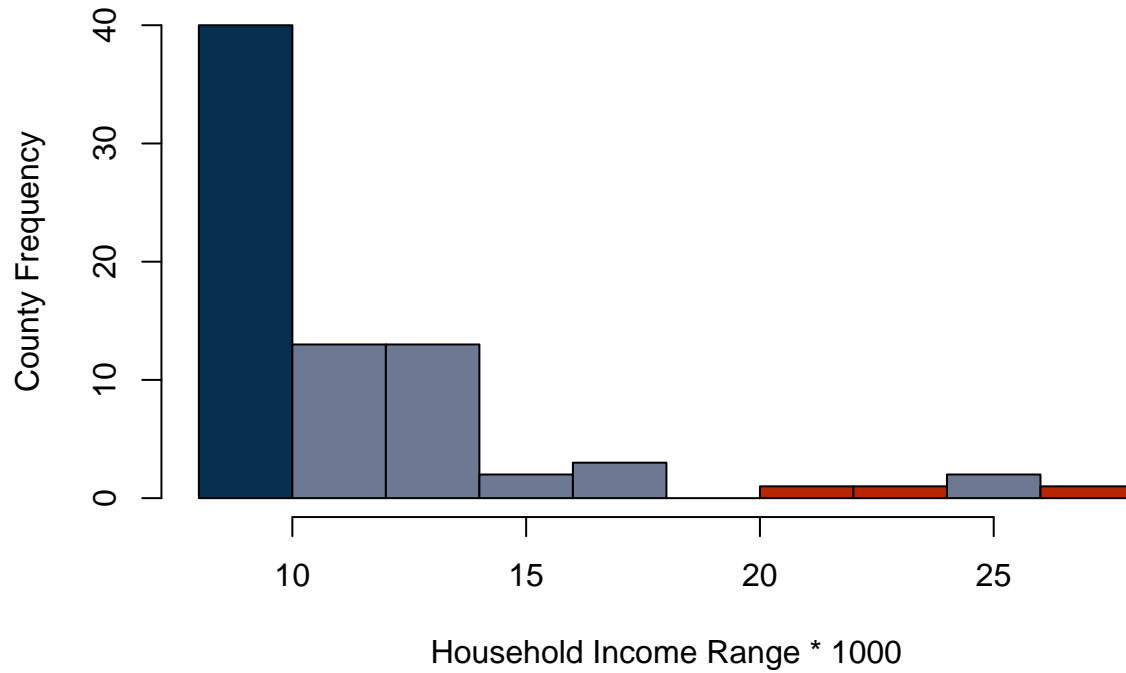


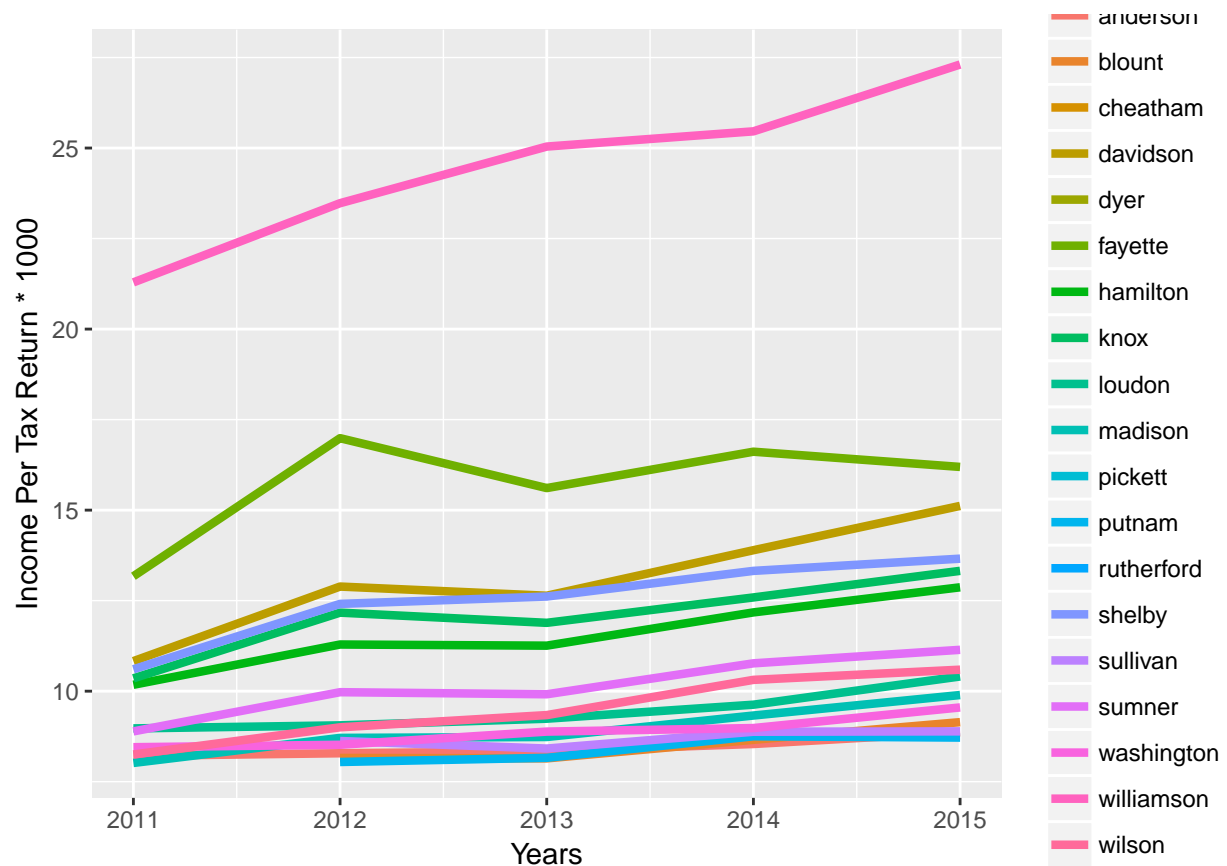
```
## Warning: package 'bindrcpp' was built under R version 3.3.2
```

Q1: What is the income distribution amongst TN counties?



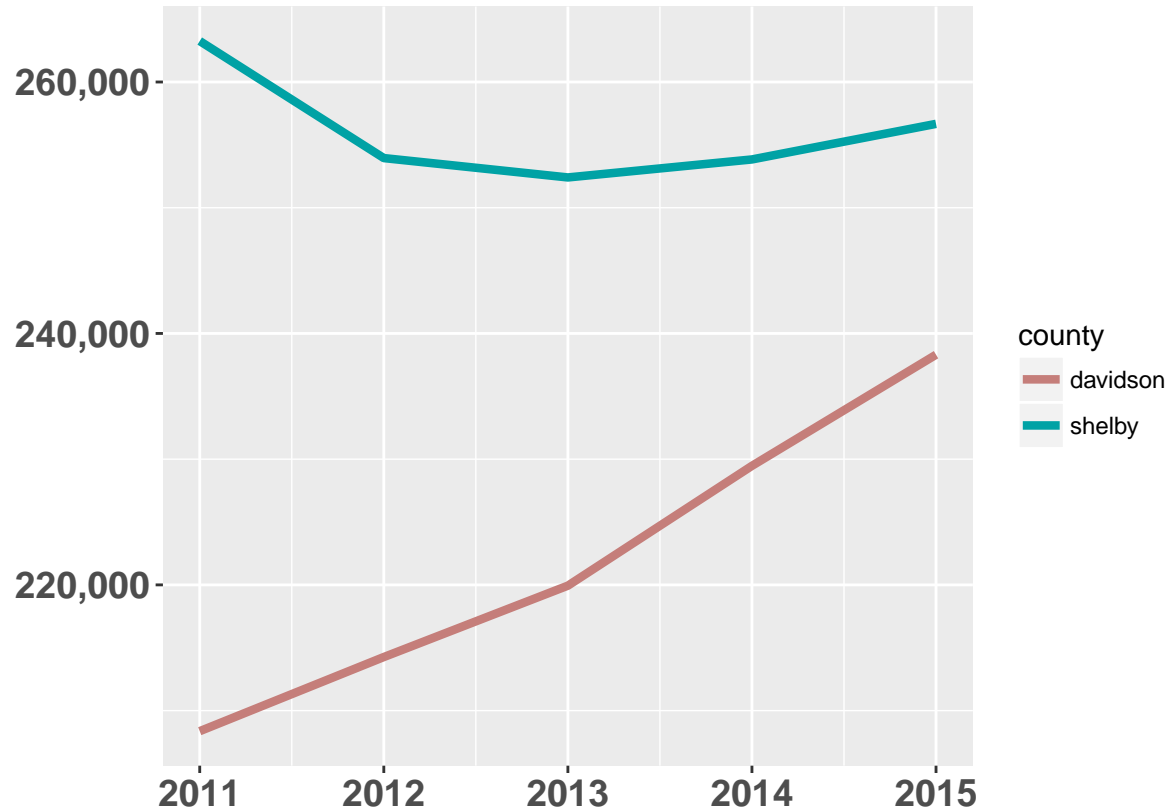
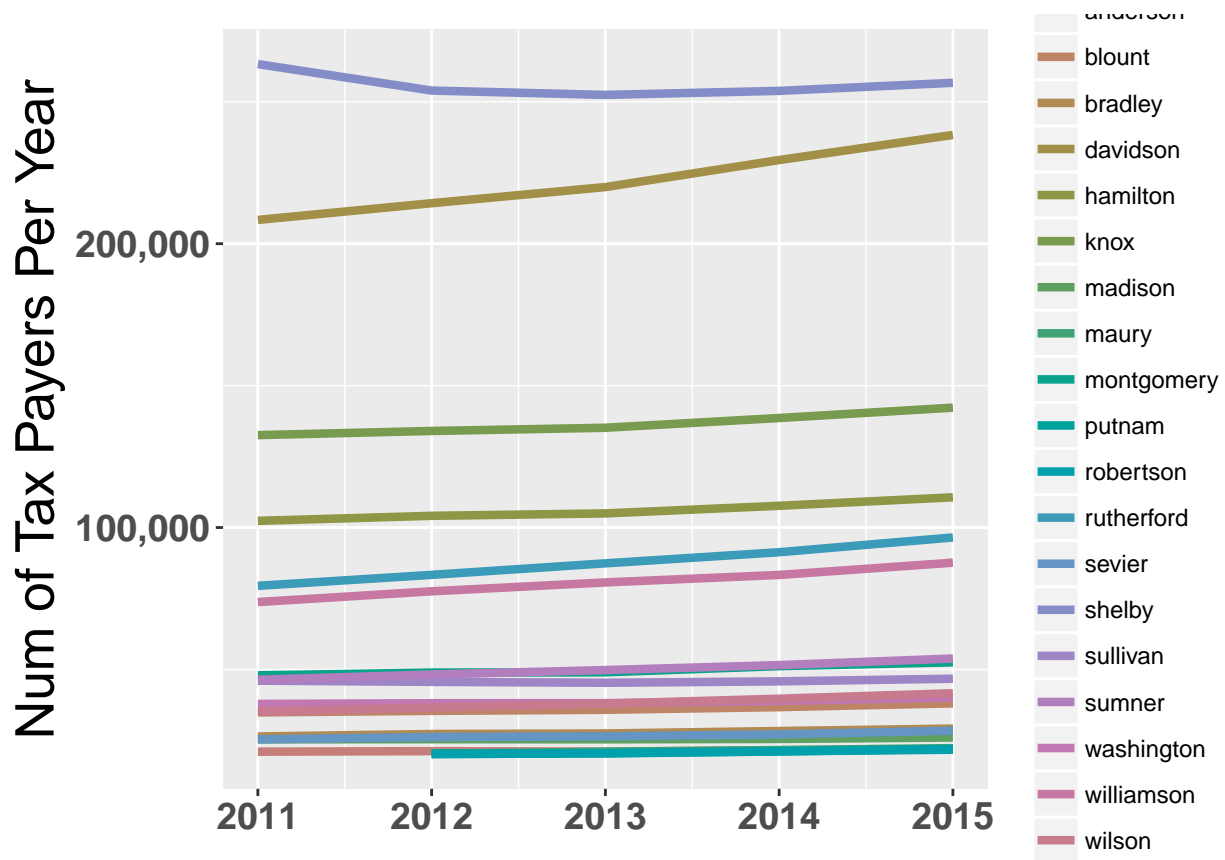
** The majority of the county's household income falls between \$2000 - \$17000.

Q2: Is there any change in income over the years?



** The majority of counties maintain their rank amongst other counties.

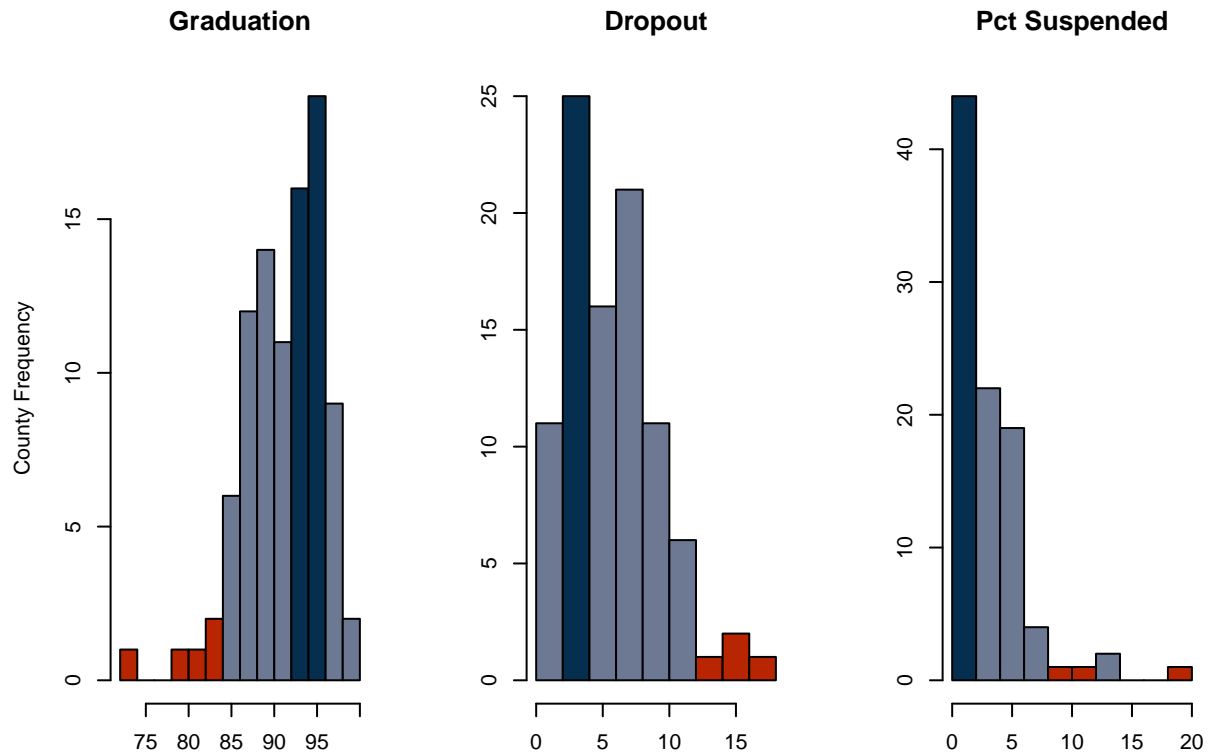
Q3: Which counties have highest number of tax filers per year?



** Davidson County is having a consistent increase in the number of tax filers, while Shelby County is

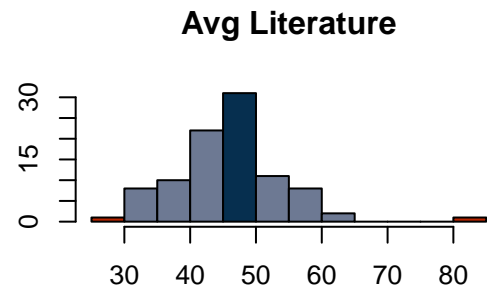
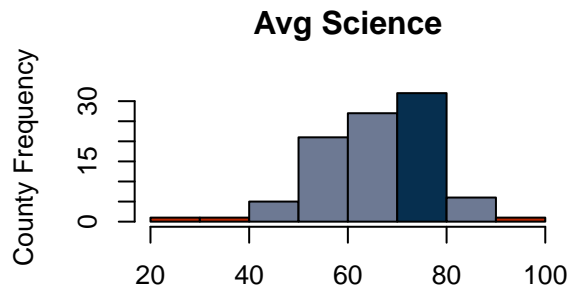
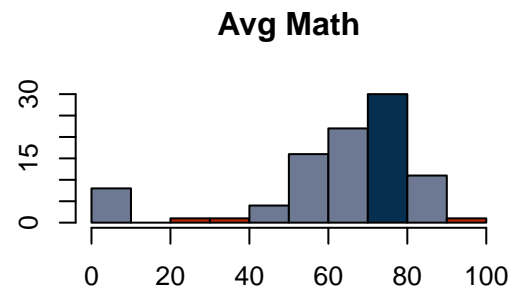
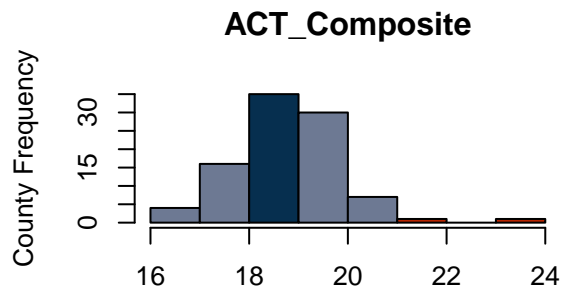
decreasing.

Q4: For 2014, what is the overall situation within our education dataset regarding student graduation, o



- Graduation rate is highest in Meigs, lowest in Shelby.
- Dropout rate is highest in Shelby county, while kids are studious in Pickett and Meigs counties.
- Teachers seem to be very strict in Shelby county, since it holds the highest student suspension rate.

Q5: For 2014, what is the overall situation within our education dataset regarding student performance?

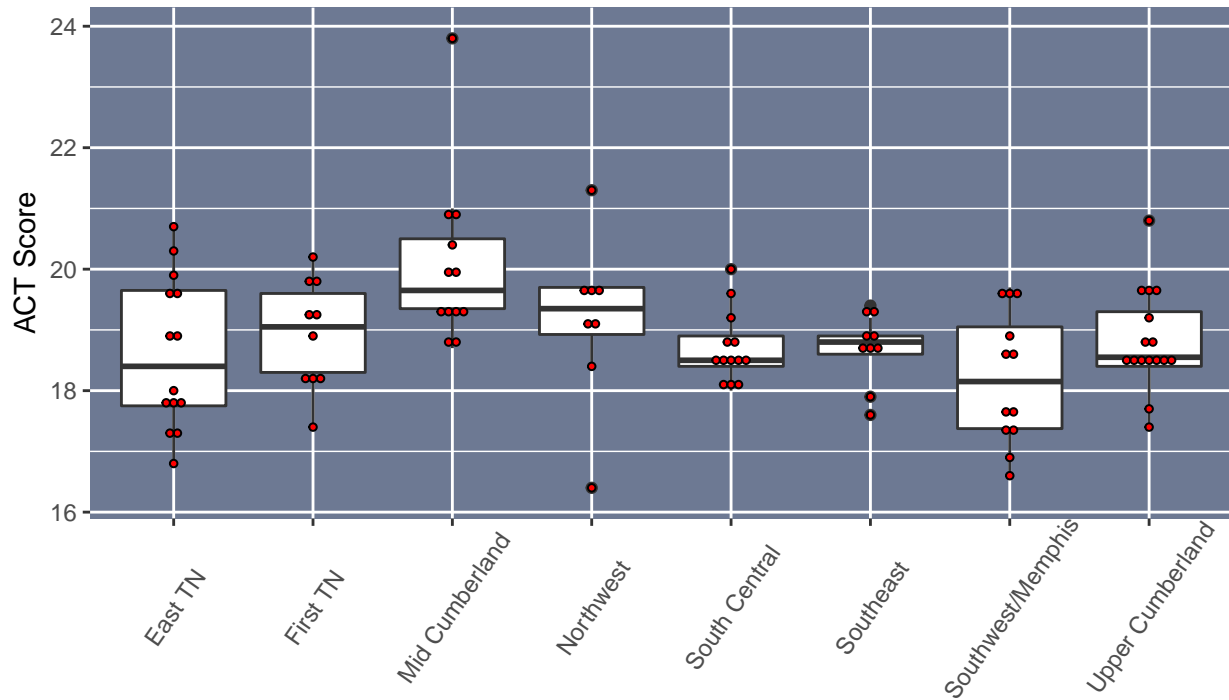


- Williamson county is showing highest ACT scores, average mathematics, literature, and second highest in science scores.
- The lowest ACT scores are from Lake and Fayette counties
- The lowest mathematics scores are from Cheatham and Putnam counties.
- Fentress takes the lead for the highest science scores at 100%, with Lake being lowest, and Shelby 3rd lowest.
- The lowest literature scores are from Hancock county.

Q6: For 2014, what is the average ACT Scores per region within TN?

ACT Scores per CORE Region

Each dot represents 1 row in source data

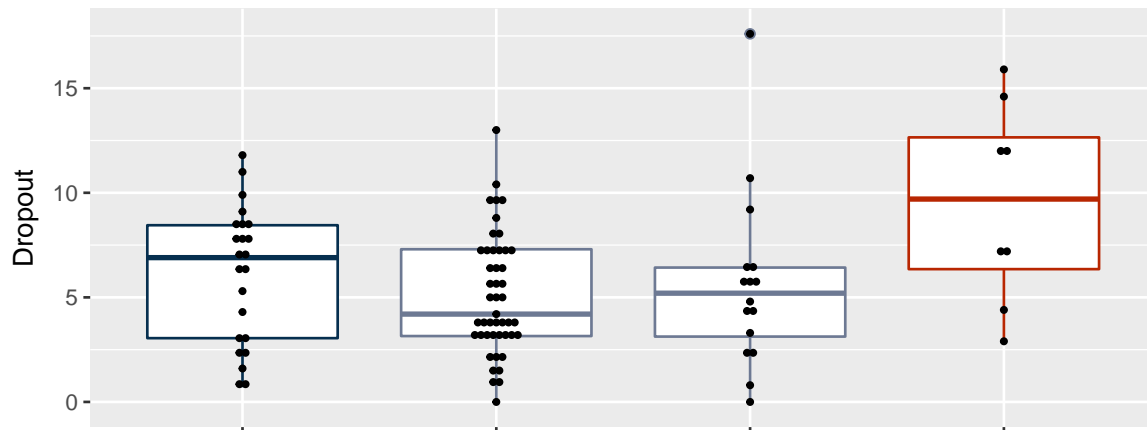


Mid Cumberland show the highest average overall, which also includes Williamson county.

Q7: How do dropout, graduation, and ACT scores compare to income scales?

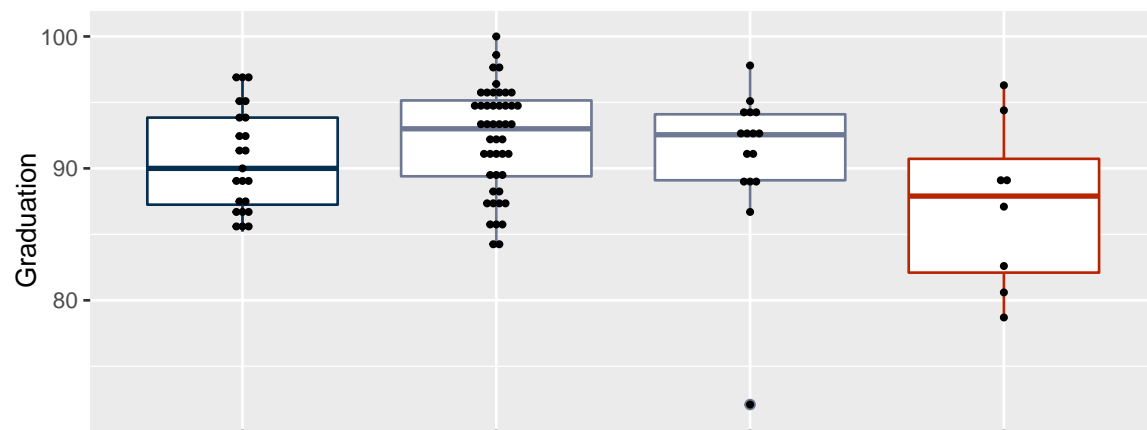
Dropout Rates per Income Bucket

Each dot represents 1 row in source data



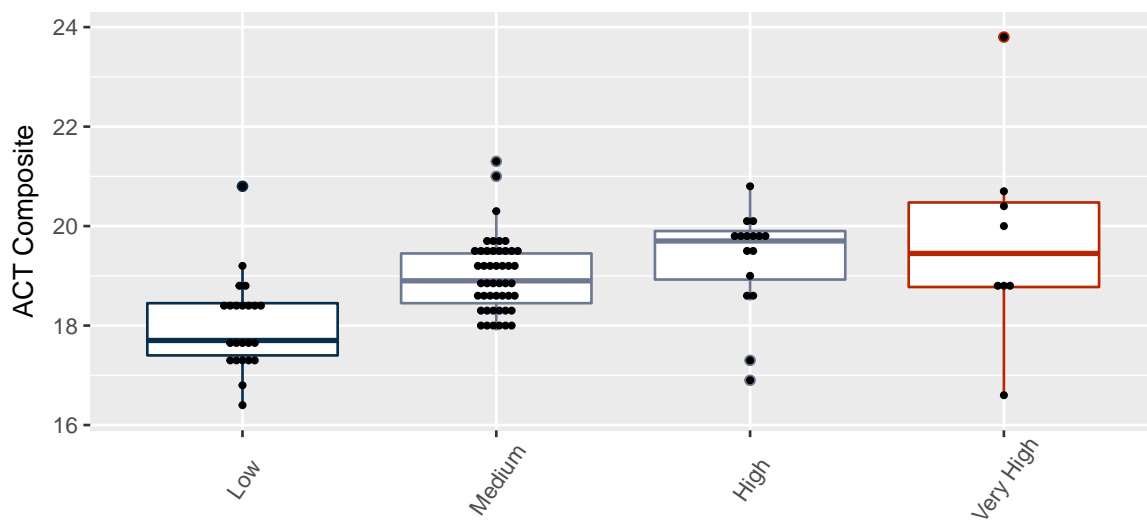
Graduation Rates per Income Bucket

Each dot represents 1 row in source data



ACT Scores per Income Bucket

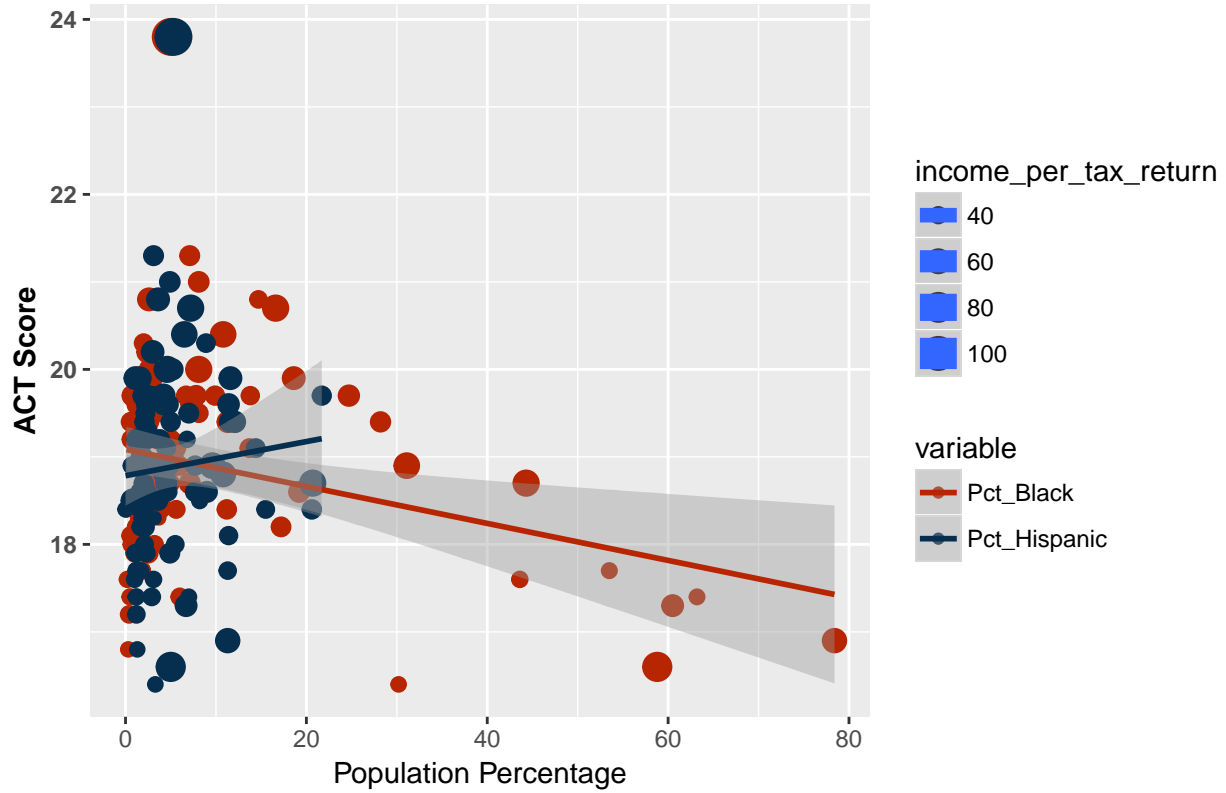
Each dot represents 1 row in source data



We notice that the medium and high income groups rank highest across all three variables. They have the highest graduation rate, lowest dropout rate, and overall highest ACT Scores.

Act Scores for the Black and Hispanic populations within TN counties, with size based on Income.

Avg ACT Scores By Demographics With Size Based on Income Levels



Performance Analytics Summary

