Unpaid Lunch Debt in Durham, NC
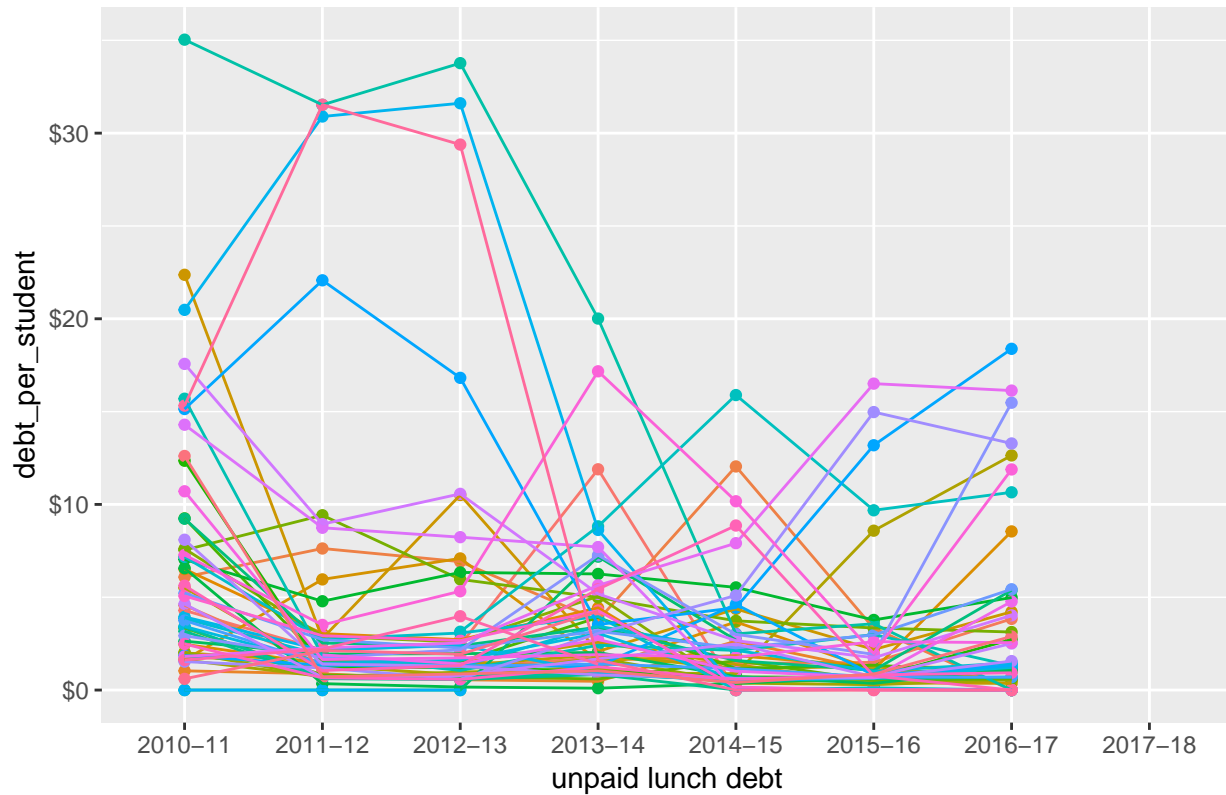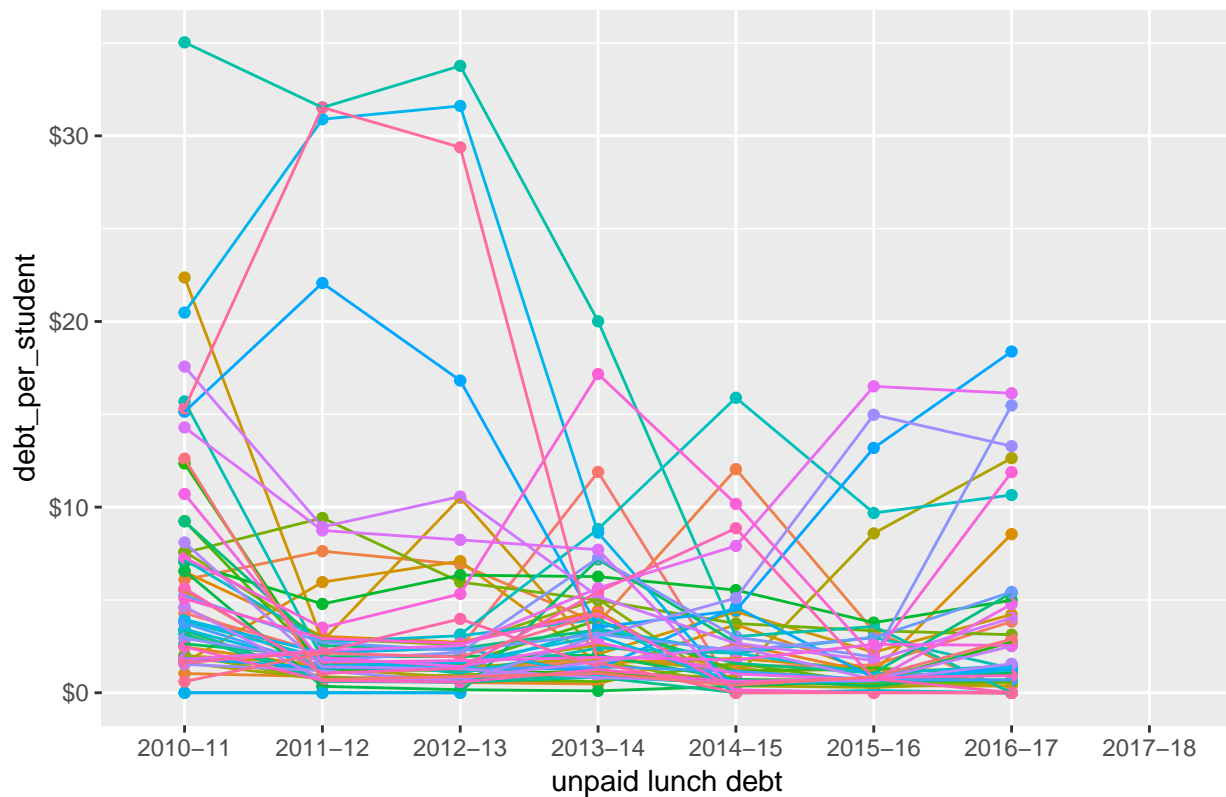
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11/2/2018

Looking at school lunch debt in Durham, North Carolina. EOY unpaid meal data from James Keaton, director of child nutrition services at DPS. Free/reduced price lunch data was obtained from ncpublicschools.org. Demographic data was obtained from the NCES ELSI table generator. You can access this specific table using the code 91803.
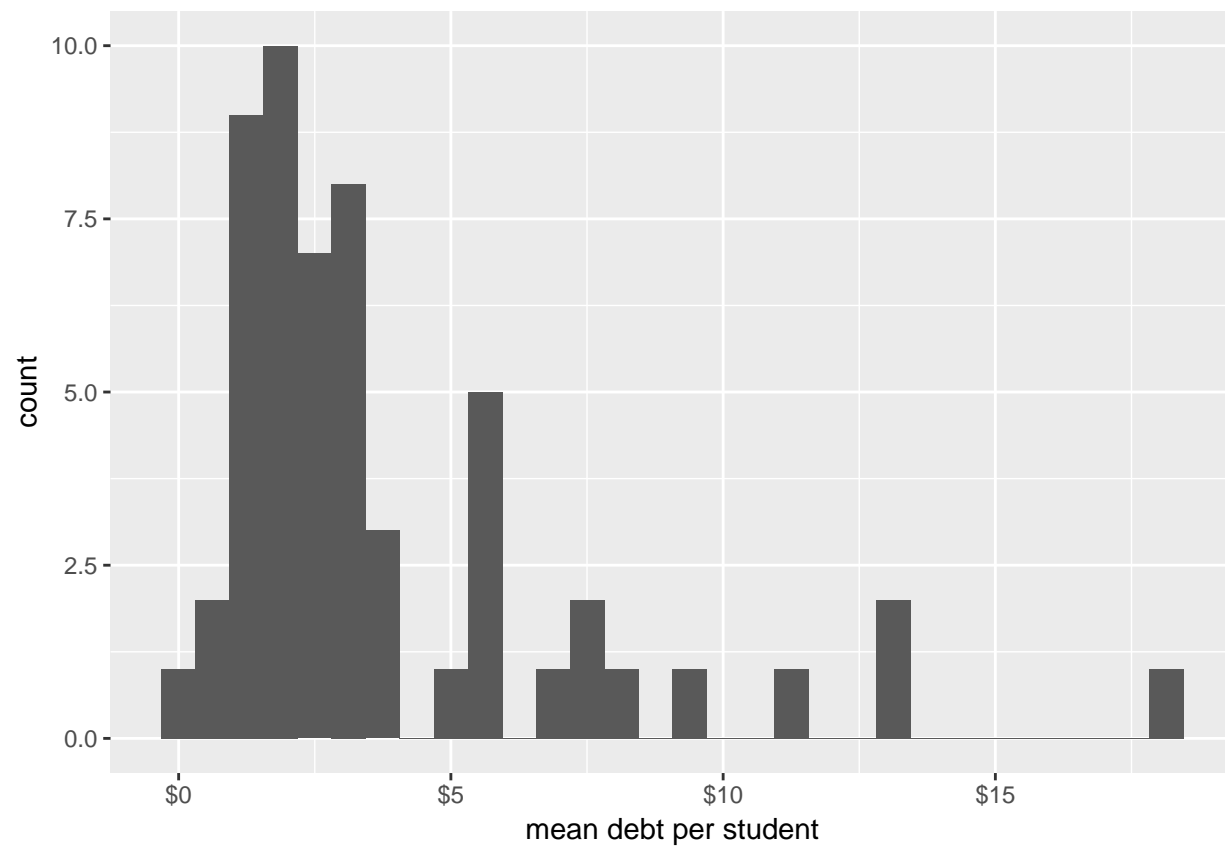
EDA

Unpaid Lunch Debt by School

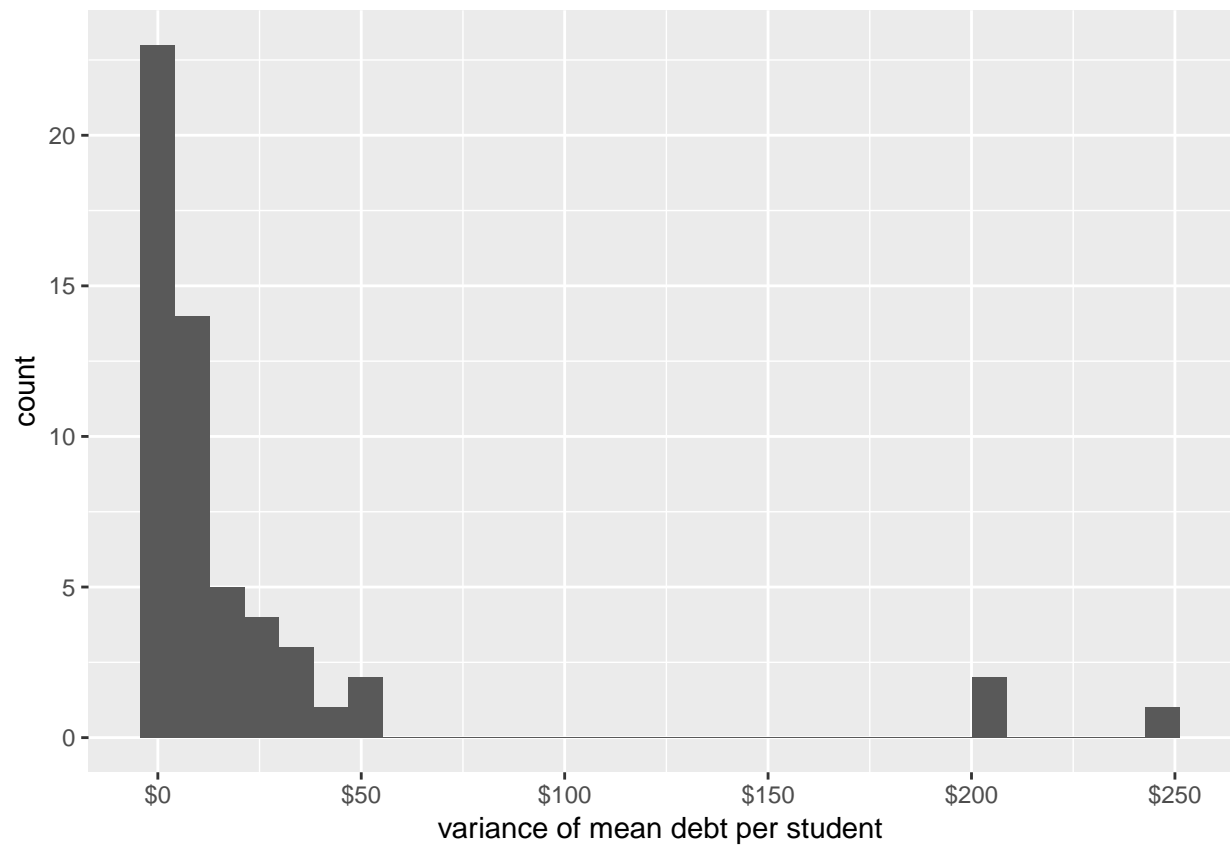## Unpaid Lunch Debt per Student by School

When we look at total unpaid lunch debt as well as per student, we see a lot of variation. Let's try to find which schools fluctuate most when it comes to school lunch debt.
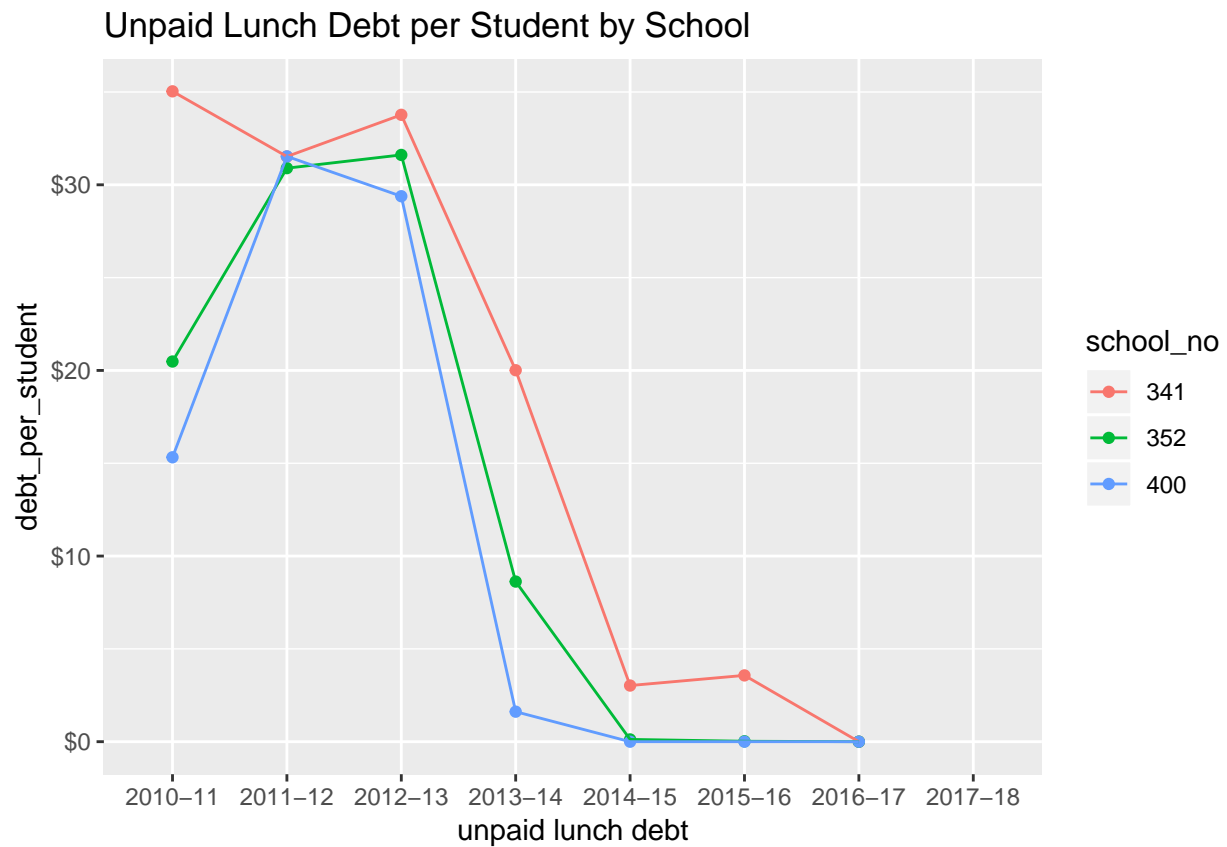
`stat_bin()` using `bins = 30`. Pick better value with `binwidth`.

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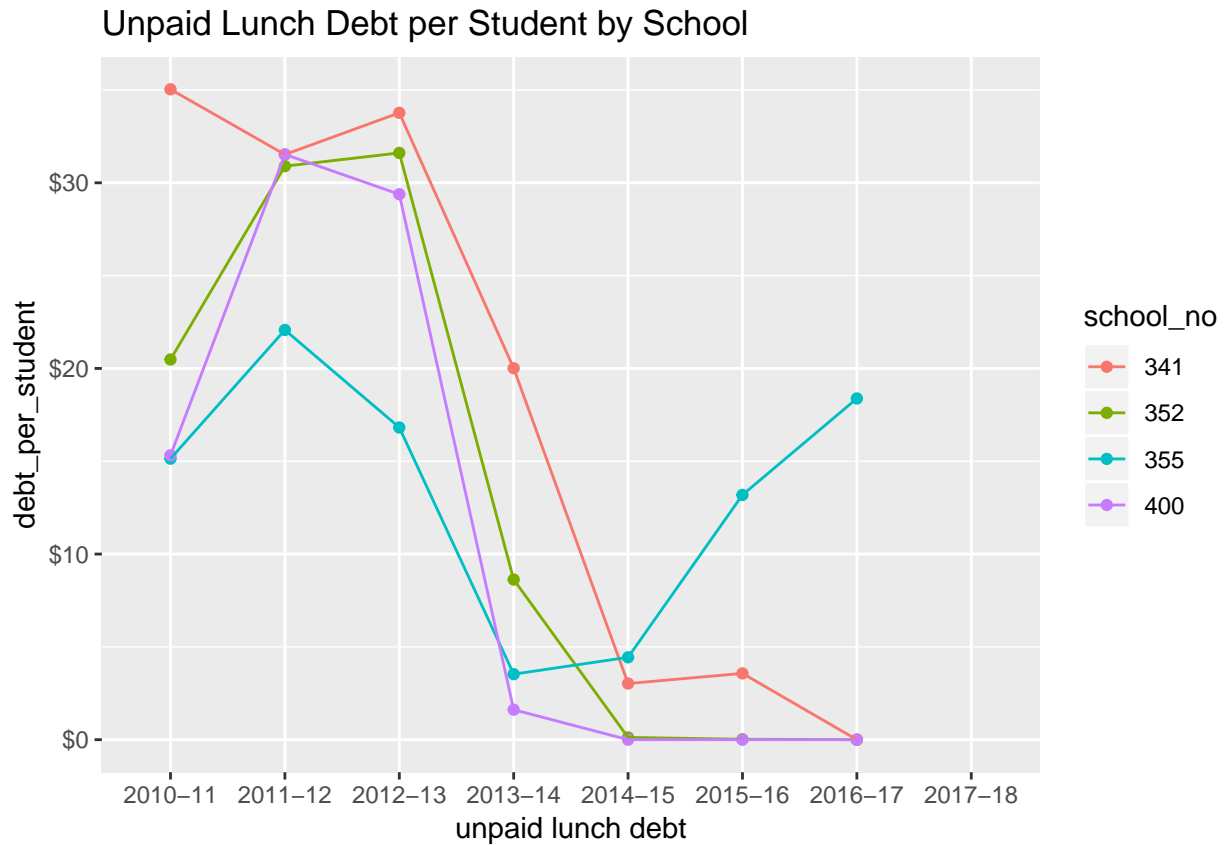Some schools have really high variance. Let's check those out longitudinally.

Unpaid Lunch Debt per Student by School

Debt decreased dramatically over multiple years for these schools. What happened?

Let's also look at schools with outlier values for mean debt.

Unpaid Lunch Debt per Student by School

- get additional demographics, fill missing adm numbers
- break into bins by mean value/variance
- external factors (paying off debt, CEP status)
- add CEP status binary
- double check merges, wrangling
- think through when data is being pulled
- how to track people paying off debt/dates?
- think about fairly comparing schools
- LONG TERM: can a student graduate with debt? are they barred from anything? what are consequences besides food?