Unpaid Lunch Debt in Durham, NC
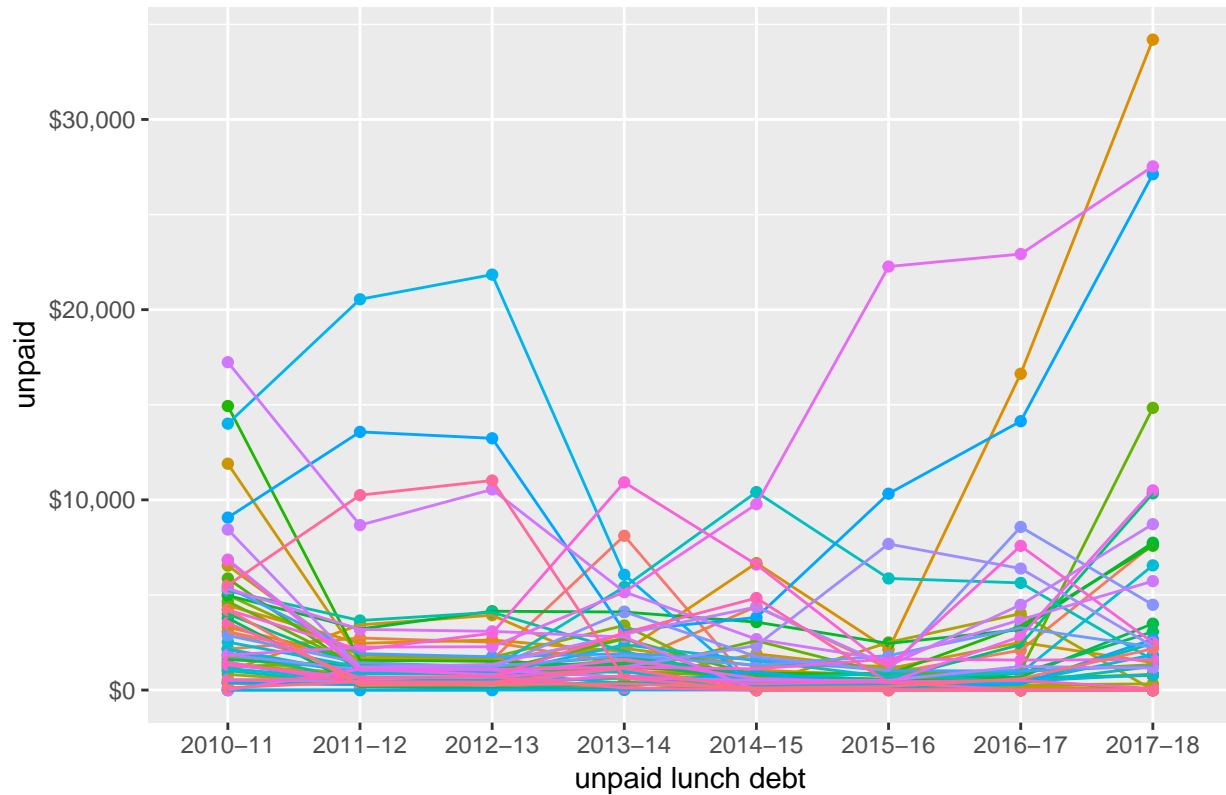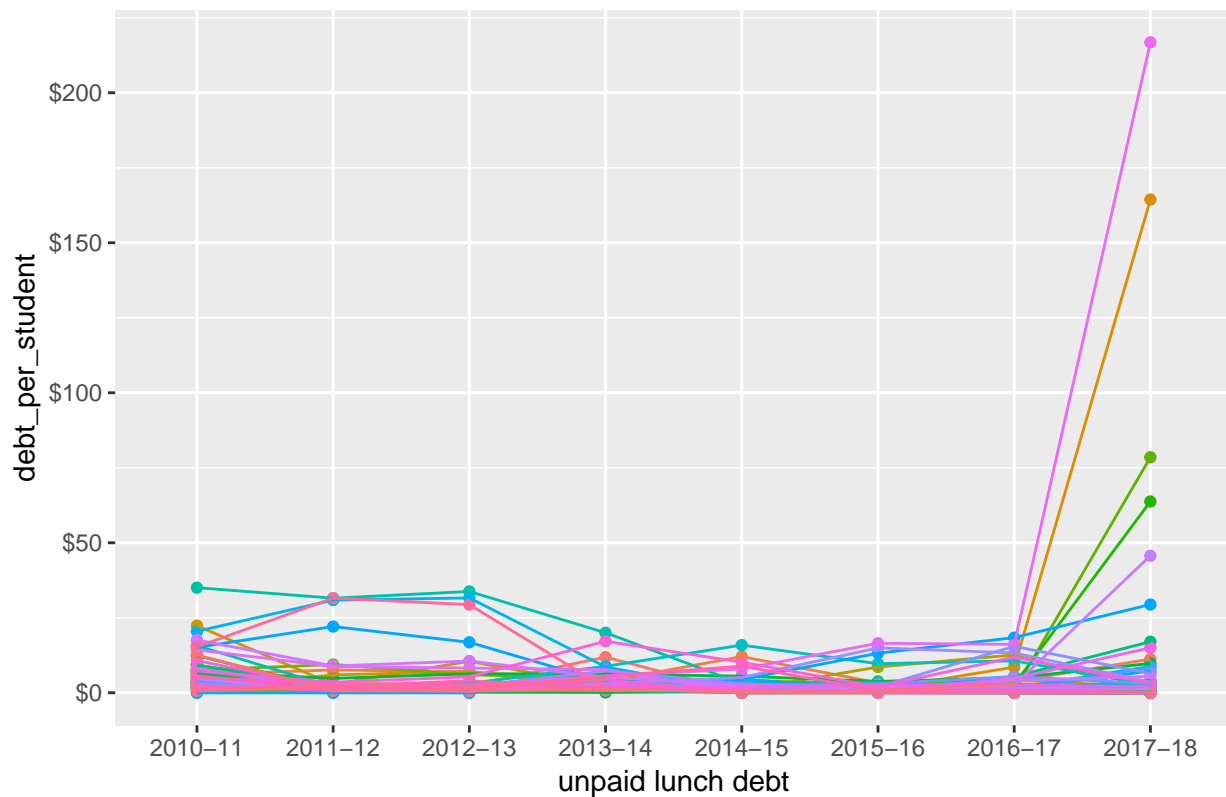
Julia Donheiser

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. 2017-18 ADM data from Average Daily Membership and Membership Last Day by School.
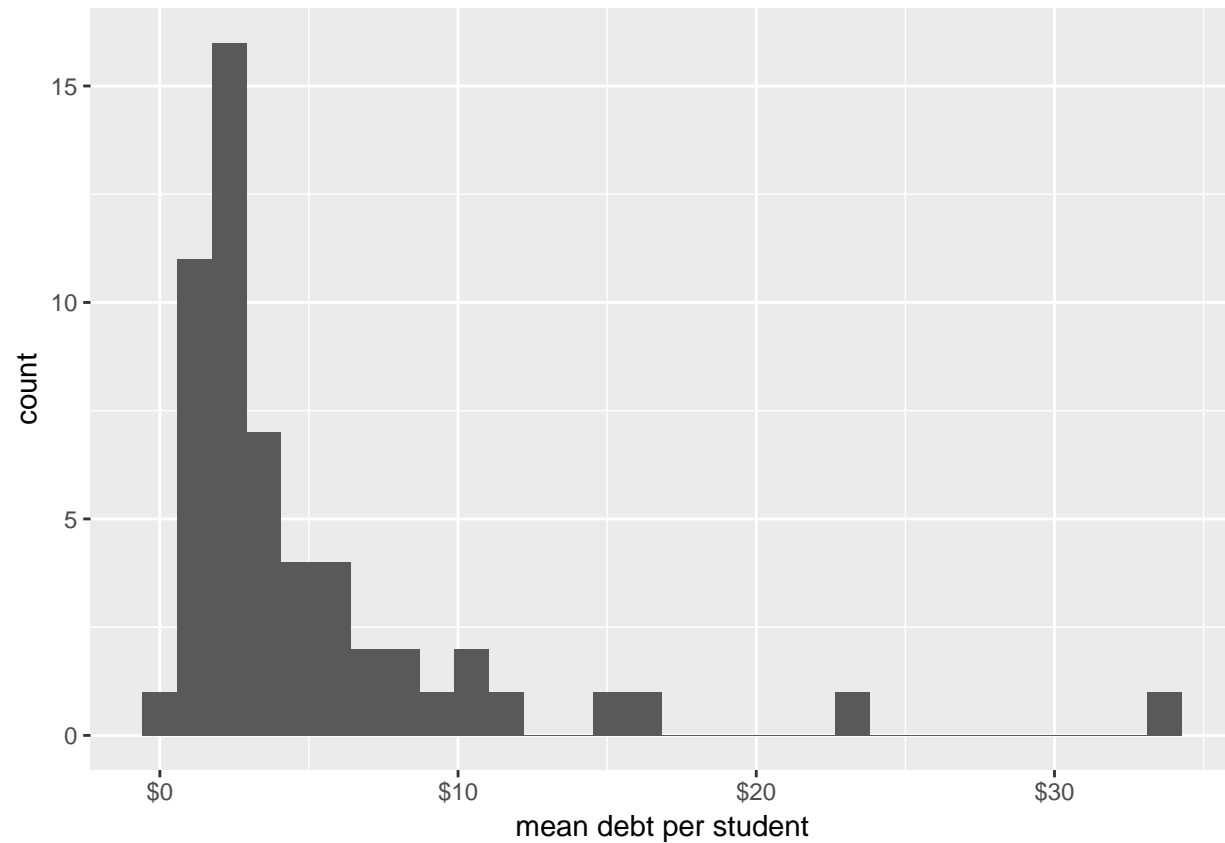
EDA

Unpaid Lunch Debt by School

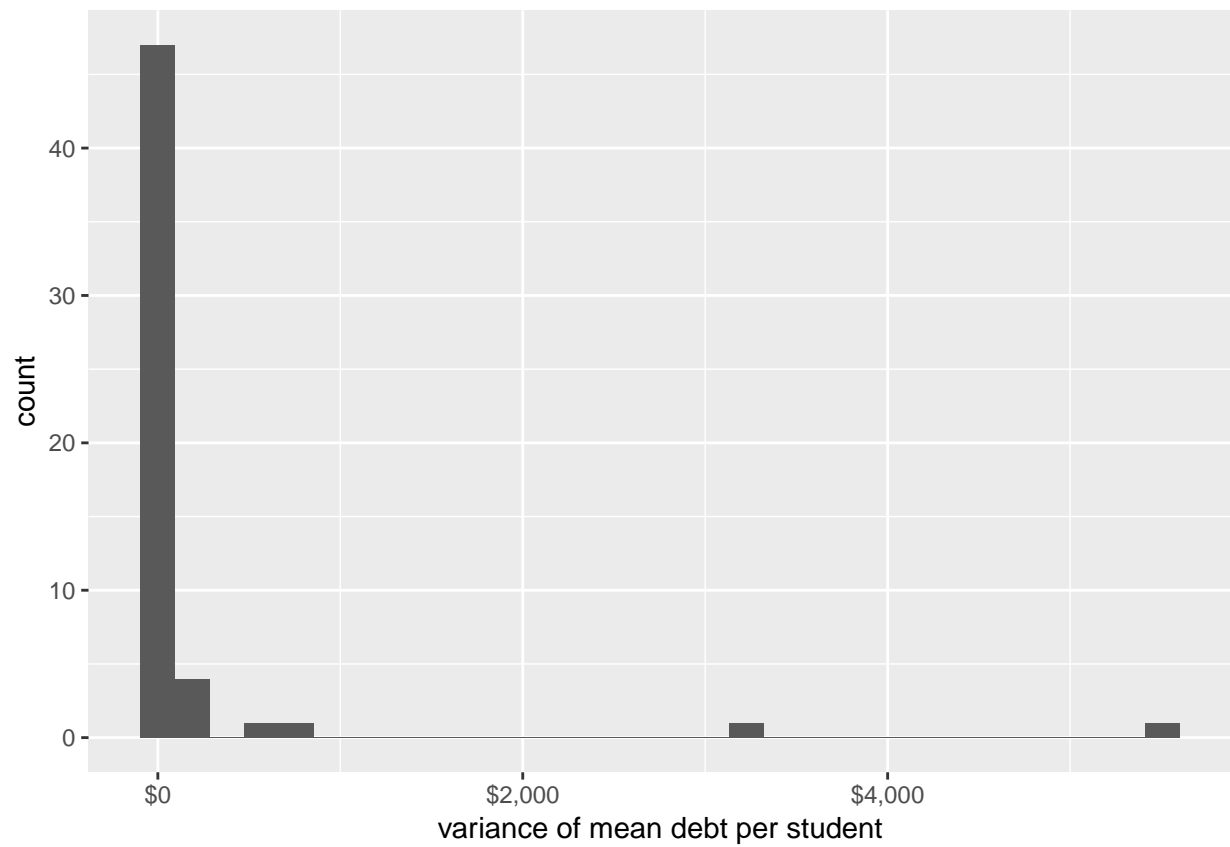## Unpaid Lunch Debt per Student by School

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.
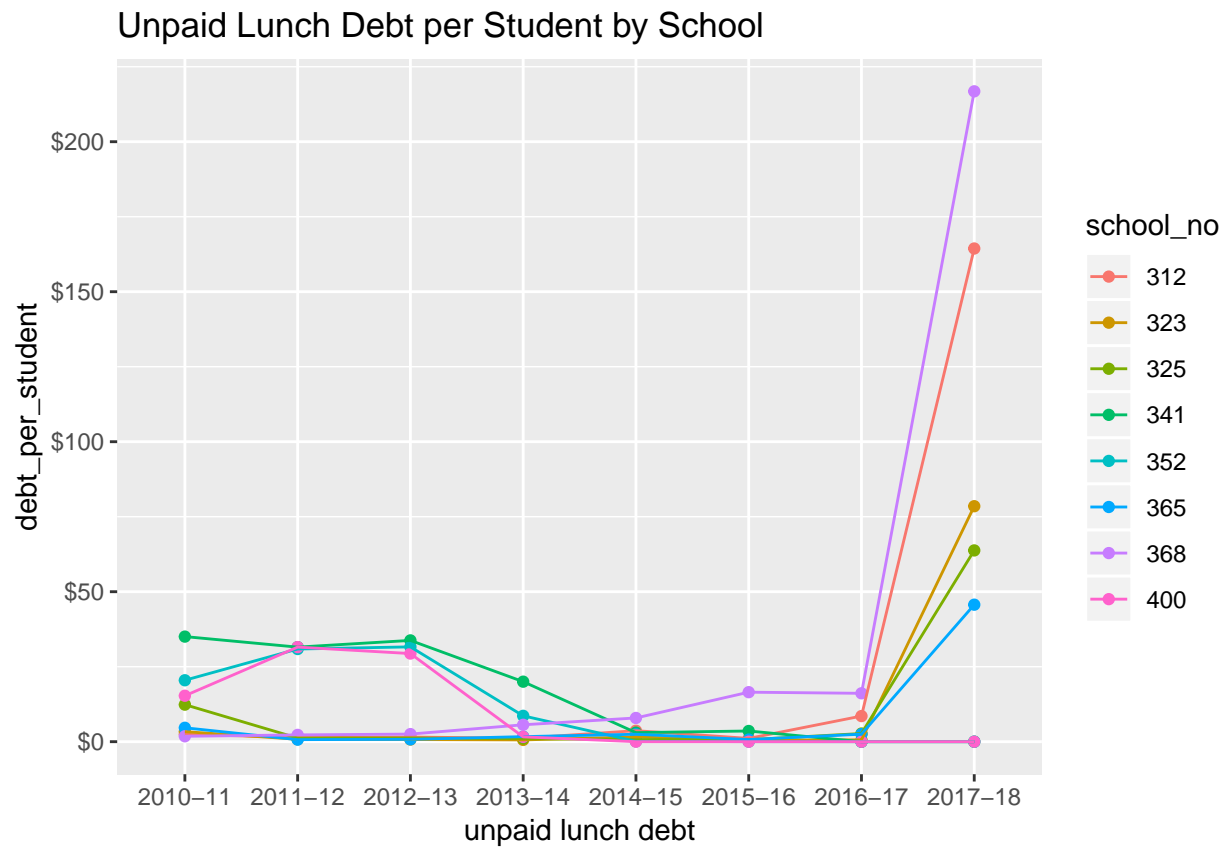
`stat_bin()` using `bins = 30`. Pick better value with `binwidth`.

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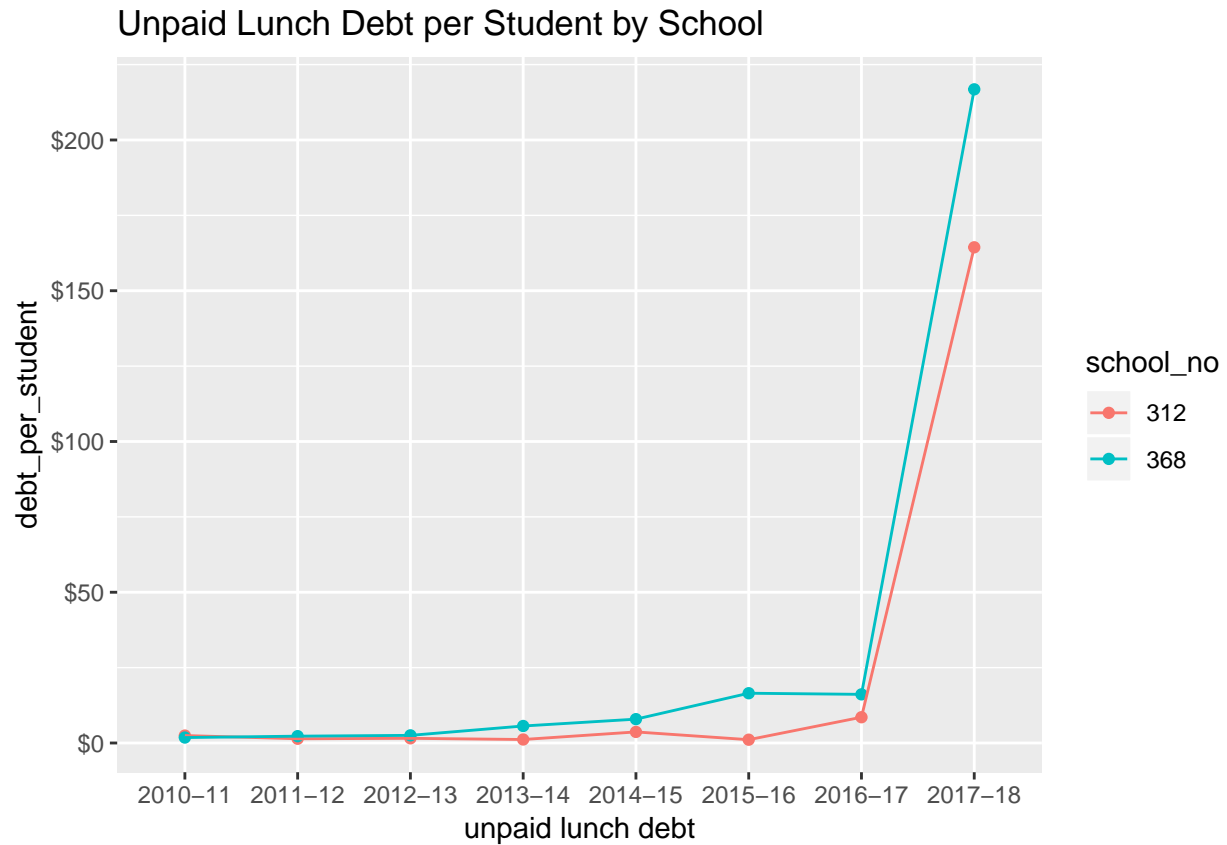Some schools have really high variance. Let's check those out longitudinally.

Unpaid Lunch Debt per Student by School

This is pretty weird. Could it be something to do with the dataset?

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

Unpaid Lunch Debt per Student by School

- get 2010-11, 2011-12, 2012-13, 2013-14 and 2017-18 CEP data.

- get demographic data for 2016-17 and 2017-18 academic years

- double check datasets for conflicting ADM/counts

- think through when data is being pulled

- external factors (paying off debt, CEP status)

- 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?