VALUE-ADDED RESULTS FOR E-SCHOOLS IN OHIO

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OHIO EVAAS | TIMELINE

- Student IDs were first merged across LEA lines in 2011
 - Possible because of improvement on SSIDs
 - Provided the ability for a student's testing history to follow them to different LEAs
- OAA Math and Reading Value-added Model
 - 2010
 - All Schools were using the original EVAAS MRM methodology
 - Students were only considered the same if they were in the same LEA for above reason.
 - 2011
 - All Schools were using the original EVAAS MRM methodology
 - Students were considered the same as long as they were in the same county
 - Done within county due to computational reasons

OHIO EVAAS | TIMELINE

- OAA Math and Reading Value-added Model continued...
 - 2012
 - All non-community schools used original EVAAS MRM.
 - Students were considered the same as long as they were in the same region.
 - Expanded to region with additional computational power
 - All community schools methodology was updated to better account for mobility of students
 - · All students prior testing history was used in the gain calculation regardless of where they came from
 - No longer necessary to assume a student was representative of the school that they came from because we were not using the students from those feeder schools that did not enroll at the community schools
 - 2013
 - All schools using updated methodology as community schools in the past year
 - All students prior testing history was used in gain calculation from across the state
 - Students are only used in the analysis if they meet FAY requirement

OHIO EVAAS | SCHOOLS USED FOR COMPARISON

Mobility Statistics:

- E-Schools
 - Average percent of students with gains coming from other schools in very small groups = 41%
 - None of these students were used in calculating the gain
 - Average 2013 Mobility Rate = 48.1%
- Comparison Group of Schools
 - Brick and Mortar Community, Constellation, and Highly Mobile Traditional Public Schools
 - Average percent of students with gains coming from other schools in very small groups = 34%
 - None of these students were used in calculating the gain
 - Average 2013 Mobility Rate = 29.4%

OHIO EVAAS | SCHOOLS USED FOR COMPARISON

- Other statistics for comparison
- E-Schools 7 schools
 - 2013 Percent Non-white 21%
 - 2013 Percent Economically Disadvantaged 64%
 - 2013 Percent Indicators Met 31.3%
- Comparison Schools 42 schools
 - 2013 Percent Non-white 78%
 - 2013 Percent Economically Disadvantaged 95%
 - 2013 Percent Indicators Met 7.7%
- Overall these schools are fairly comparable

OHIO EVAAS INDIVIDUAL STUDENT DATA

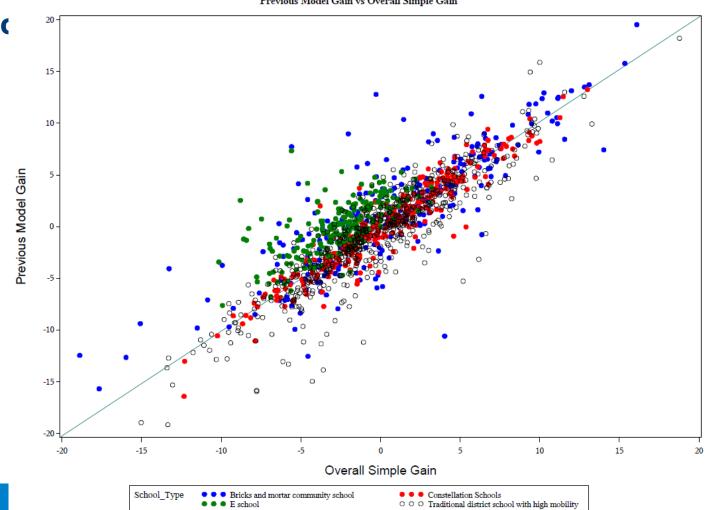
- Instead of looking in the model specifics, look at the individual students.
- Compare all students' current year scores to their prior year scores after converting to NCEs to get a simple gain.
- What does this tell us about the students?
- What is the difference of the students' gains when they moved from one school to the next vs. staying at the same school?
- Is this difference comparable for e-schools compared to other highly mobile schools?

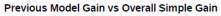
OHIO EVAAS | INDIVIDUAL STUDENT DATA

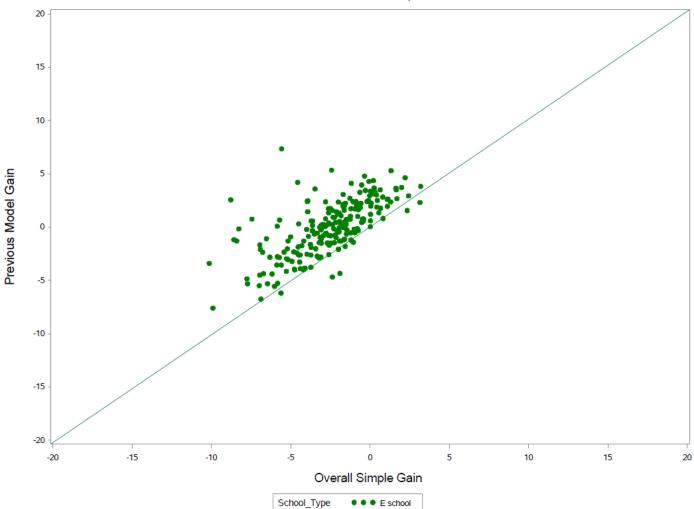
- Key difference is the average difference in gains of students that came from the same schools vs. the gains of students that came from different schools.
 - (show spreadsheet)
- From the mobility statistics
 - 41% of prior scores were not used for e-schools
 - 34% of prior scores were not used for other comparison schools
- Inclusion of these students has a much larger overall impact to the overall gain for e-schools vs. other comparison group schools

OHIO EVAAS INDIVIDUAL STUDENT DATA

Measure	E-Schools	Comparison Schools
Average simple raw NCE gain of the Students that were in the building this year and last	-0.46	0.34
Average simple raw NCE gain of the Students that were in the building this year and in a different building last year	-5.47	0.19
Difference of these averages This is the impact when including these students when measuring growth	-5.01	-0.14

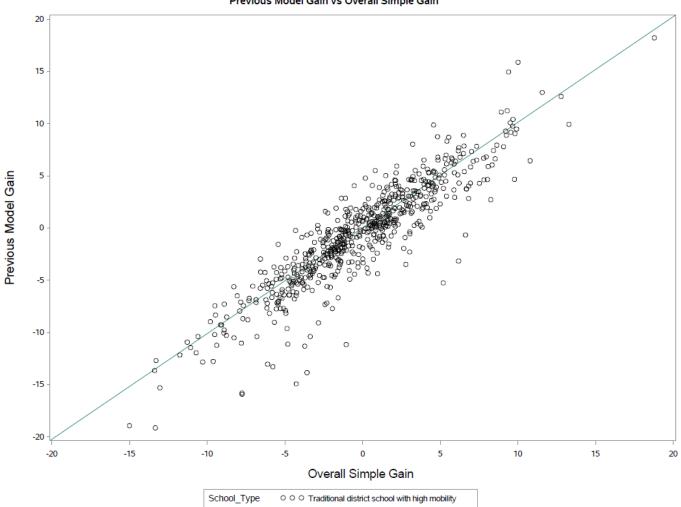


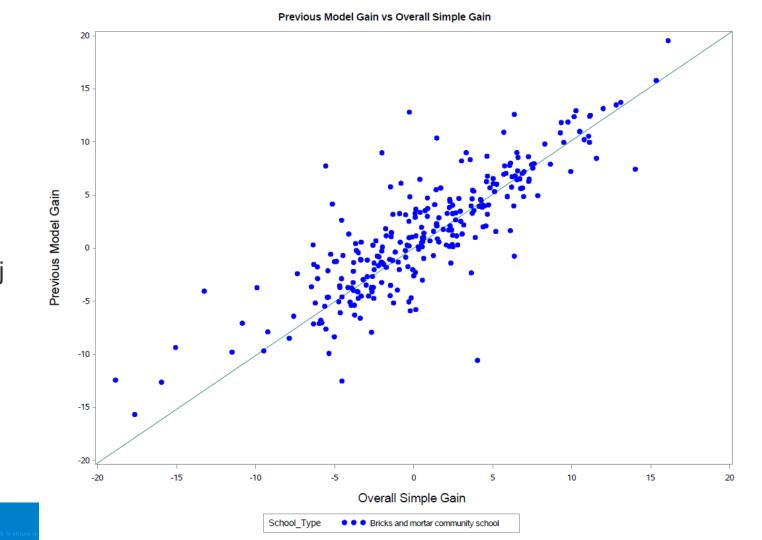


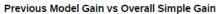


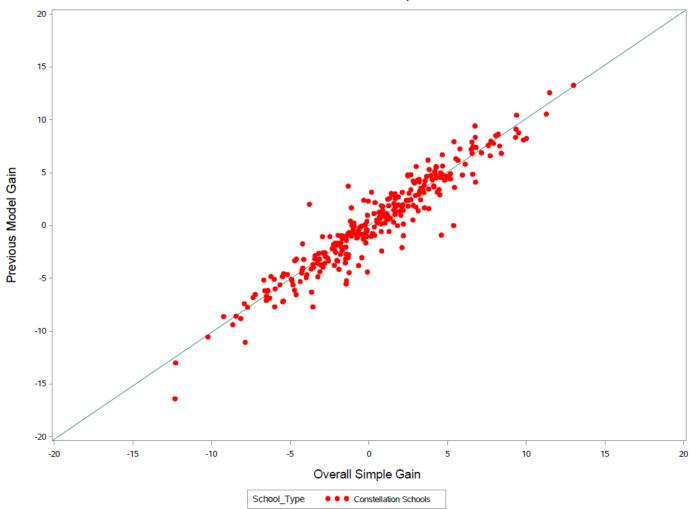
● ● E school

Previous Model Gain vs Overall Simple Gain





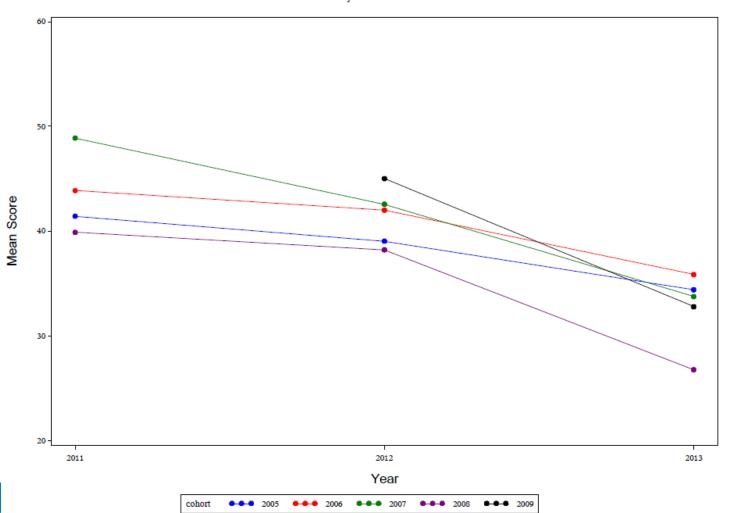




OHIO EVAAS ONE HYPOTHESIS

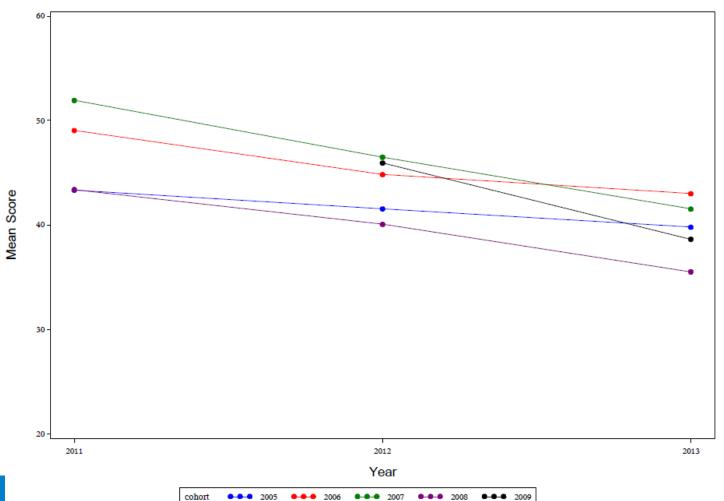
- One question SAS received was to look at the prior year history of students before they went to the e-school.
- Are students performing even worse the year before they get to the e-school?
- Students did about the same or better the year before they were enrolled in the e-school with respect to growth.
 - In math, they typically did better the year before the e-school
 - In reading, they did the same the year before the e-school

Mean score vs year for students coming to eschool from non-eschool in 2013 subject=Math





Mean score vs year for students coming to eschool from non-eschool in 2013 subject=Reading



THANK YOU FOR YOUR TIME TODAY!

