

USA District Like Mine (High District Enrollment) Math Outcomes Analysis 2018/19

Grade Levels: 3, 4, 5

ST Math Program: Gen-5

Analysis Type: Z-score of math proficiency

Treatment-Years: 2018/19

Baseline-Year: 2012/13, 2013/14, 2014/15, 2015/16, 2016/17, or 2017/18

Subgroup: All



Jessica Guise

© 2023-07-26

Abstract

This analysis evaluates grades using ST Math with high district enrollment in the USA in 2018/19. It identifies those grades with nominal or better implementation of the ST Math program, and matches them to randomly selected, similar math-performance comparison grades. The nominal ST Math users are an aggregation of 540 grades, consisting of grades 3, 4, and 5 at 307 schools, with an average baseline z-score of -0.05. Refer to Figures 2 and 3 for the math performance and demographic distributions. They were matched to 540 similar, randomly selected control grades at 480 schools that never used ST Math. Grade-wise growth in math proficiency was evaluated (i.e. growth in same grade, same school, from Baseline to 2018/19) on the mean z-scores of percent Proficient or Advanced (see Section 3.1). Grades 3, 4, and 5 aggregated showed an ST Math effect of 0.31 z-score points.

Contents

1	Introduction	5
1.1	Background	5
1.2	Program Description	5
2	Data Collection	6
2.1	Treatment Grades Pool and Selection	6
2.1.1	Enrollment Filter	6
2.1.2	Content Coverage Filter	6
2.2	Control Grades Pool and Selection	7
3	Data Analysis	8
3.1	Z-scores	8
3.2	Percentile Ranking	8
3.3	Final Treatment and Control	9
3.3.1	ST Math Grade-Aggregated Implementation ($\geq 85\%$ Enrollment Grades Only)	9
3.3.2	Filtering Treatment and Controls	10
3.3.3	Match of Controls to Treatment	11
3.4	Grade-Aggregated Analysis	12
3.5	Grade-Level Analysis	14
3.5.1	Grade Level Result Tables	14
3.5.2	Grade-Level Analysis of Changes in Z-scores of Proficient or Advanced	15
4	Effect Size	16
5	Findings Summary	16
6	Confounders	16
7	Lists of Schools	17
7.1	Treatment Schools	17
7.2	Control Schools	23

List of Figures

1	Histogram of ST Math Percent Progress for $\geq 85\%$ Enrollment Grades 2018/19	9
2	Baseline Year Density Plots Showing Math Scores and Percent Student Need Match between TRT and CTRL - Baseline	11
3	Changes in z-scores (See Section 3.1) for Grade-Aggregated TRT and CTRL datasets between Baseline and 2018/19	12
4	Changes in Percentile Ranking for TRT and CTRL Datasets between Baseline and 2018/19	13
5	Changes in Grade-Mean Z-score (See Section 3.1) for TRT and CTRL Datasets between Baseline and 2018/19	15

List of Tables

1	Descriptive Statistics of ST Math Percent Progress for ≥ 85 percent Enrollment Grades	9
2	Number of ST Math Grades with ≥ 85 percent Enrollment and with ≥ 40 percent progress	9
3	Treatment Pool Filtering and Controls: Counts of Grades, Schools, and Students	10
4	Matching TRT and CTRL	11
5	All Grades Together Growth	12
6	Statistics for the Differential Changes in Math Scores Growth (TRT - CTRL)	13
7	Grade 3 - Yearly Math Performance and Counts for TRT and CTRL Datasets	14
8	Grade 4 - Yearly Math Performance and Counts for TRT and CTRL Datasets	14
9	Grade 5 - Yearly Math Performance and Counts for TRT and CTRL Datasets	14
10	Statistics for the Differential Changes in Z-scores (See Section 3.1) Growth, (TRT - CTRL)	15
11	Cohen's d Effect Size	16
12	Treatment Schools (TRT Dataset)	17
13	Treatment Schools (TRT Dataset)	18
14	Treatment Schools (TRT Dataset)	19
15	Treatment Schools (TRT Dataset)	20
16	Treatment Schools (TRT Dataset)	21
17	Treatment Schools (TRT Dataset)	22
18	Matched Control Schools (CTRL Dataset)	23
19	Matched Control Schools (CTRL Dataset)	24
20	Matched Control Schools (CTRL Dataset)	25
21	Matched Control Schools (CTRL Dataset)	26
22	Matched Control Schools (CTRL Dataset)	27
23	Matched Control Schools (CTRL Dataset)	28
24	Matched Control Schools (CTRL Dataset)	29
25	Matched Control Schools (CTRL Dataset)	30
26	Matched Control Schools (CTRL Dataset)	31

1 Introduction

1.1 Background

This is a quasi-experimental analysis at the grade-mean level. Entire grades represent the units of analysis, and outcome measures are the multi-year changes in grade-mean z-score of Proficient or Advanced. The treatment grades used the ST Math program for 1, 2, 3, 4, 5, or 6 years, beginning in the 2013/14, 2014/15, 2015/16, 2016/17, 2017/18, or 2018/19 school year, respectively. The study hypothesis is treatment grades using ST Math will outperform similar matched control grades, using their “business as usual” conditions of instructional content and professional development. The control grades were selected to have similar demographic and math attributes (See Figures 2 and 3) to the treatment grades during the baseline year (2012/13, 2013/14, 2014/15, 2015/16, 2016/17, or 2017/18), and did not use ST Math in 2018/19. The treatment grades’ selection pool was all schools using ST Math with high district enrollment in grades 3, 4, and 5 in the USA. The control grades’ pool was all schools not using ST Math in grades 3, 4, and 5 in the USA. This study method measures effectiveness of the ST Math program when nominally implemented.

1.2 Program Description

Spatial-Temporal Math (ST Math) is game-based, instructional software for K–12 students, created by the MIND Research Institute (MIND). The purpose of the program is to boost math comprehension through visual learning. The ST Math software games begin without language or symbol abstractions by posing math problems as purely visual puzzles. In this way, three objectives are accomplished: i) language proficiency prerequisites to engage with the program are minimal, ii) non-mathematical distractions (e.g. back-stories for word problems) are minimized or eliminated – thereby reducing load on working memory, and iii) the actual math in the problem can be represented clearly, simply, and unambiguously. Interactive, animated visual manipulatives provide informative feedback on student solutions. A score of 100 percent on a game level comprised of 4-12 puzzles is required for progression through the levels. Failure requires a re-play of the level, via a new quasi-random set of puzzles. In this way, progression is self-paced.

Besides the self-paced progress made by students in their one-to-one environment, the program is designed to be referenced by teachers during their regular math instruction. It is supplemental to core or basal math instruction and instructional materials. As the great majority of grade-level math standards are covered in the ST Math digital curriculum, completion of 100% of the entire ST Math curriculum (i.e. completing every Game) is required to cover all grade-level math standards. Teachers receive initial training, either face to face or through self-guided online instruction. The training covers account startup, as well as math learning and growth mindset goals, the pedagogical approach to learning in a visual experiential game, monitoring and intervention of the student 1:1 game play, and connecting of ST Math content to classroom content and pacing.

For students to achieve nominal progress through the program, there is a recommended time-on-task requirement of 90 minutes per week over about 30 weeks. Consistent application of 90 minutes per week throughout the school year is normally sufficient to result in a grade’s average ST Math content coverage exceeding 50% by year-end. In this study, we include grades that have achieved 40% or more content coverage (Progress) by April 15th.

This is a passive study with no experimental setup or extraordinary communications to any schools. All schools in this study therefore received normal program implementation support through the year from MIND support managers. This support includes bundled startup services of approximately 2-4 hours of training either in-person or online, access to live webinars, regular online and push reports on

usage and progress, email/phone helpdesk, and proactive monitoring for gaps or issues by MIND support representatives.

MIND Research Institute initiated, funded, and exercised editorial control over this study.

2 Data Collection

Since this analysis uses grades as the unit of analysis, and states publish grade-mean state standardized test scores, the data for student math outcomes is collected from each state education agency's research files (retrieved from state websites). The treatment students use ST Math student accounts served by MIND. Student ST Math usage data is aggregated to grade-level means by MIND.

2.1 Treatment Grades Pool and Selection

The Treatment grades pool originated with all schools and grades using ST Math with high district enrollment in the USA. From these schools, every grade that had used the ST Math program only for the year 2018/19 was identified. They comprise the Treatment grades pool for this evaluation of multi-year usage.

2.1.1 Enrollment Filter

Because the analysis uses grade-mean data, such as grade-mean scale scores or grade-mean proficiency level percentages, it is necessary that the program also be a grade-wide treatment, with the great majority of students in each grade receiving treatment. Otherwise, the grade-means reported by the state of 100% of *tested* students would not be valid measures of a smaller fraction of *treatment* students. MIND's site implementation requirement is that an entire grade, including all teachers and all classes within that grade, use the ST Math program. We validate how closely this is the case for each individual treatment grade by comparing the number of ST Math student accounts at a grade level to the reported enrollment at that grade level. We discard from the Treatment pool any grade with a ratio of ST Math student accounts to reported grade enrollment lower than 85%.

2.1.2 Content Coverage Filter

Furthermore, the outcomes measure is a summative year-end test, i.e. the standardized math assessment of that state. The math assessment thus covers all the math standards for that entire grade level. Meanwhile, the ST Math program curriculum (arranged into Learning Objectives) is also aligned to each state's math standards. To infer that the ST Math content is having a valid effect on student outcomes on the summative assessment, we discard any grade with grade-mean of ST Math Progress for its students lower than 40% by April.

Progress is a percentage, and is defined as Levels completed by the student, divided by the total number of Levels in the grade-level curriculum. Note that student achievement of at least 40% progress in ST Math is accomplished primarily by teacher assignment of computer session time to students. With sufficient time on task, students make progress. The program helps them self-pace through providing real-time informative feedback for each puzzle.

2.2 Control Grades Pool and Selection

The control grades are randomly selected from a control pool of schools in the USA. Though they are randomly selected, they are also matched to be similar to the Treatment grades' math attributes and demographics during the baseline Baseline year. The matched attributes include:

- grade-mean z-score of percent Proficient or Advanced
- percentage of students receiving free or reduced lunch at the school-level (using the demographic data from MDR).

The method of matching used is propensity score matching, via the "matchit" program in R, with "mahalanobis" as the distance measure.

3 Data Analysis

The set of all schools and grades using ST Math with high district enrollment in the USA is evaluated for Enrollment percentage and Progress percentage parameters. A filtered Treatment set (TRT) of all ST Math grades with $\geq 85\%$ Enrollment and $\geq 40\%$ Progress is identified. State math assessment data is tabulated. A matching set of Control grades based on baseline year state math assessment is selected.

Changes in math performance, i.e. the difference in math performance of a grade from a baseline year to the final year, are evaluated and tabulated. Statistical tests of the significance of the difference in math performance changes between Treatment grades and Control grades are performed. Finally, a grade-by-grade disaggregation is performed.

3.1 Z-scores

In order to analyze across all states with different math assessments, a new z-score of that test's math proficiency is calculated. For each year being analyzed, by grade, a z-score takes the difference of the grade mean percent proficient and the mean of all percent proficient statewide for that year, and then divides it by the standard deviation of all percent proficient statewide for that year. Here is a fictional example to illustrate the calculation of a z-score for the 2015/16 exam:

$$\begin{aligned} &\text{School A, Grade 3, Percent Proficient: } 70 \\ &\text{Average across all schools statewide, Grade 3: } 50 \\ &\text{Standard deviation across all schools statewide, Grade 3: } 20 \\ \text{Z-score} &= \frac{(\text{School A, Grade 3, Percent Proficient}) - (\text{Average across all schools, Grade 3})}{(\text{Standard deviation across all schools, Grade 3})} \\ \text{Z-score} &= \frac{70 - 50}{20} = 1 \end{aligned}$$

The z-score is calculated for every grade across all years being analyzed, using the full state data set of schools for the averages and standard deviations. The use of z-scores is a valid statistical method to normalize any dataset and to enable analysis across otherwise uncomparable exams. In this report, we only analyze z-scores.

3.2 Percentile Ranking

These newly calculated z-scores can then be converted into a percentile ranking. Each percentile ranking shows the grade's performance relative to the others in that year and grade. For example, for a specific grade 3, a percentile ranking of 50 shows that this grade 3 performed at the average of all third grades in the state for that testing year.

3.3 Final Treatment and Control

3.3.1 ST Math Grade-Aggregated Implementation ($\geq 85\%$ Enrollment Grades Only)

ST Math Percent Grade Mean Progress Distribution – 2018/19

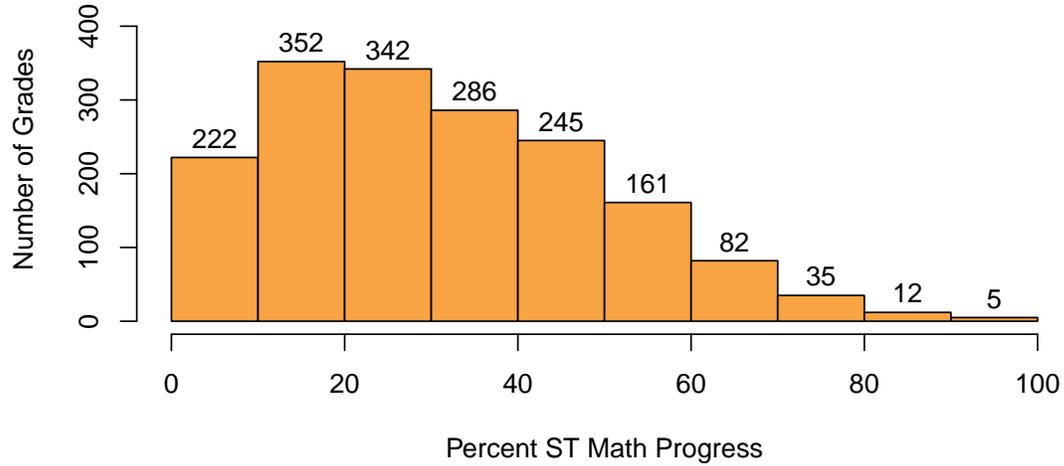


Figure 1: Histogram of ST Math Percent Progress for $\geq 85\%$ Enrollment Grades 2018/19

For all ST Math grades with Enrollment $\geq 85\%$, Figure 1 shows the frequency distribution of grade-average Progress percentage through the program. Note that we will only be using grades with $\geq 40\%$ Progress as the Treatment Group.

Table 1 provides descriptive statistics of the Progress distribution. Table 2 shows the number of remaining treatment grades after applying enrollment and progress filters.

	Min.	Max.	Average	S.D.
ST Math % Progress	0.0	98.4	31.2	18.4

Table 1: Descriptive Statistics of ST Math Percent Progress for $\geq 85\%$ Enrollment Grades

Grades with $\geq 85\%$ Enrollment:	1742
Grades with in addition $\geq 40\%$ Progress:	540

Table 2: Number of ST Math Grades with $\geq 85\%$ percent Enrollment and with $\geq 40\%$ percent progress

3.3.2 Filtering Treatment and Controls

Table 3 shows the total number of grades in the Treatment pool, the number of grades that exceeded the 85% Enrollment figure, and also the 40% Progress filter. Other rows in the table indicate counts of numbers of students (2018/19 from state testing count) and counts of number of schools represented. The number of matched Control (CTRL) grades, students, and schools is also shown.

	Grade 3	Grade 4	Grade 5	Total
ST Math Using Grades	963	877	833	2673
ST Math Using Schools	962	877	833	1130
ST Math Students	70550	64890	64222	199662
ST Math Grades (Enroll \geq 85%)	626	598	518	1742
TRT Grades (Enroll \geq 85% & Prog \geq 40%)	200	191	149	540
TRT Schools (Enroll \geq 85% & Prog \geq 40%)	200	191	148	307
TRT Students (Enroll \geq 85% & Prog \geq 40%)	18494	17637	14080	50211
CTRL Grades	200	191	149	540
CTRL Schools	192	181	147	480
CTRL Students	17422	16366	13578	47366

Table 3: Treatment Pool Filtering and Controls: Counts of Grades, Schools, and Students

3.3.3 Match of Controls to Treatment

Figure 2 shows the density plots of the baseline z-score of percent students at state assessment Proficient or Advanced (left plot) and the percentage of students needing free or reduced lunch (right plot) for treatment grades overlaid on control grades, showing the closeness of the match obtained between Treatment and Control sets of grades in the baseline year.

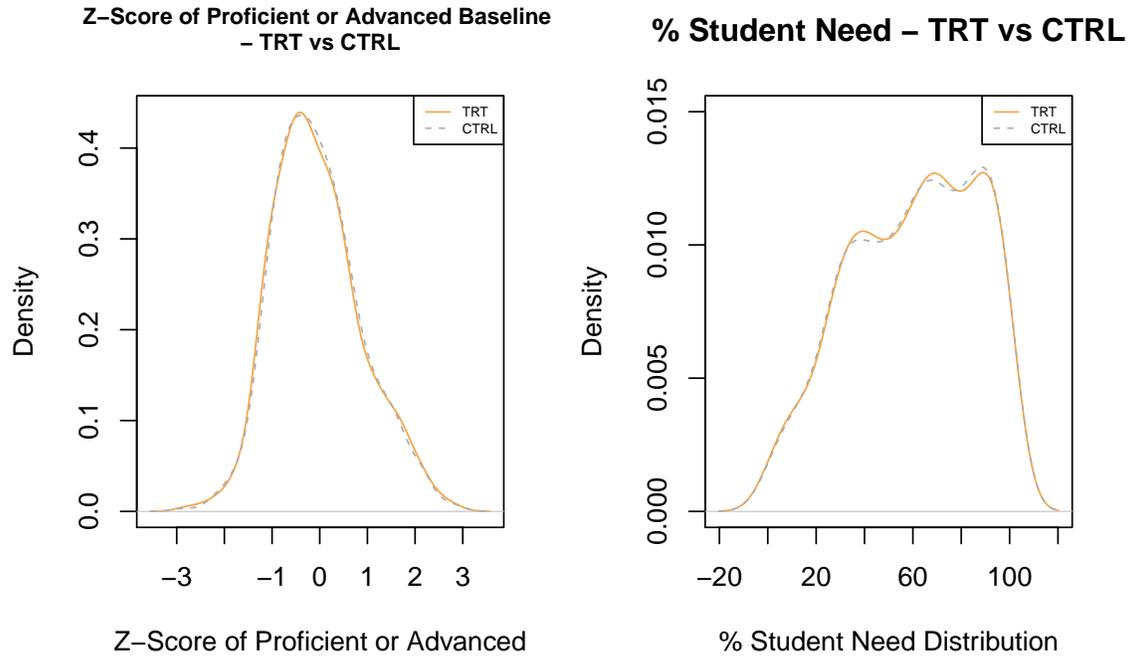


Figure 2: Baseline Year Density Plots Showing Math Scores and Percent Student Need Match between TRT and CTRL - Baseline

Table 4 shows the difference of the means of Treatment versus Control in the baseline year, with accompanying p-values, for mean z-score of percent Proficient or Advanced and for percent of students receiving free or reduced lunch. The large p-values show the differences between the Treatment and Control grades are not statistically significant.

	Mean(TRT)	SD(TRT)	Mean(CTRL)	SD(CTRL)	Estimate	P-Value	Effect Size
Z-Score of Proficient or Advanced - Baseline	-0.05	0.93	-0.05	0.92	-0.01	0.87	-0.01
Percent Free or Reduced Lunch	60.12	26.42	60.25	26.42	-0.13	0.94	-0.00

Table 4: Matching TRT and CTRL

3.4 Grade-Aggregated Analysis

Table 5 shows for both Treatment (TRT) and Control (CTRL) aggregation across grades of z-score distributions. The far right column also shows the average ST Math Progress for the TRT set.

	# Grades	# Schools	# Students	Z-Score	Percentile	ST Math Per Comp.
TRT.Baseline	540	307	46803	-0.05	47.21	–
TRT.18.19	540	307	45599	0.24	56.32	53.7
TRT.Delta	–	–	–	0.30	9.11	–
CTRL.Baseline	540	480	48992	-0.05	47.59	–
CTRL.18.19	540	480	47366	-0.06	47.55	–
CTRL.Delta	–	–	–	-0.01	-0.04	–

Table 5: All Grades Together Growth

Figure 3 shows the changes in mean z-scores of percent Proficient or Advanced for the grade-aggregated Treatment and Control sets.

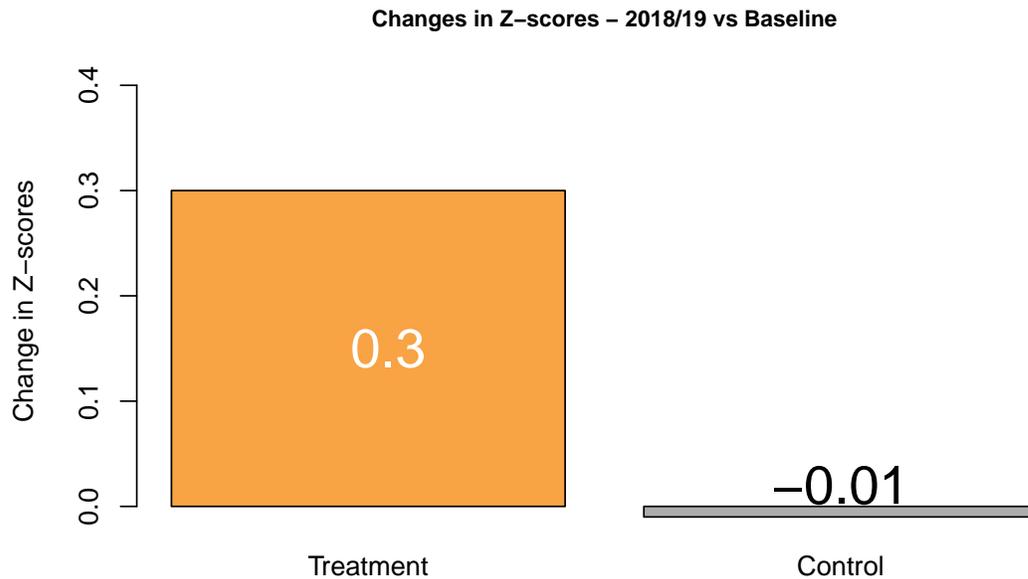


Figure 3: Changes in z-scores (See Section 3.1) for Grade-Aggregated TRT and CTRL datasets between Baseline and 2018/19

Further, Table 6 shows the statistics for the *differences* in changes between TRT and CTRL (Treatment - Control) for these same z-score changes as in the above figure. ¹

	Estimate	P-Value	Int.Low	Int.High
Z-Score	0.31	0.00*	0.23	0.39

Table 6: Statistics for the Differential Changes in Math Scores Growth (TRT - CTRL)

Finally, Figure 4 shows the changes in mean percentile ranking between TRT and CTRL.

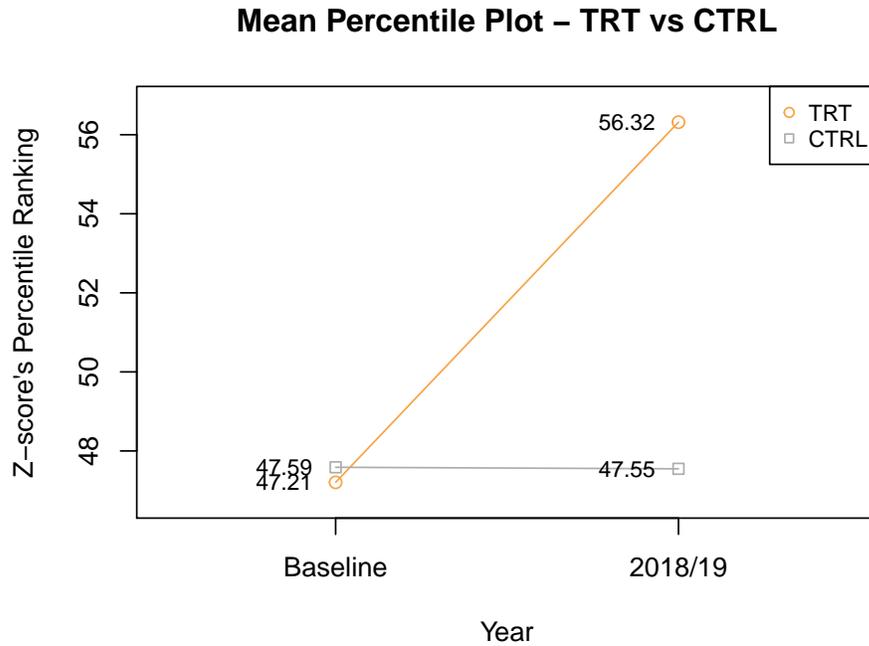


Figure 4: Changes in Percentile Ranking for TRT and CTRL Datasets between Baseline and 2018/19

¹* statistically significant $p < 0.05$

3.5 Grade-Level Analysis

3.5.1 Grade Level Result Tables

The following tables (Table 7, 8, and 9) present a disaggregation of results by grade level. The far right column in each table also shows the average ST Math Progress for the TRT set.

	# Grades	# Schools	# Students	Z-Score	Percentile	ST Math Per Prog.
TRT.Baseline	200	200	17575	-0.04	47.51	–
TRT.18.19	200	200	16787	0.30	58.14	52.97
TRT.Delta	–	–	–	0.34	10.63	–
CTRL.Baseline	200	192	18444	-0.04	47.59	–
CTRL.18.19	200	192	17422	-0.09	46.49	–
CTRL.Delta	–	–	–	-0.05	-1.10	–

Table 7: Grade 3 - Yearly Math Performance and Counts for TRT and CTRL Datasets

	# Grades	# Schools	# Students	Z-Score	Percentile	ST Math Per Prog.
TRT.Baseline	191	191	16252	-0.04	47.75	–
TRT.18.19	191	191	15974	0.27	56.82	54.8
TRT.Delta	–	–	–	0.30	9.07	–
CTRL.Baseline	191	181	16720	-0.02	48.33	–
CTRL.18.19	191	181	16366	-0.02	48.63	–
CTRL.Delta	–	–	–	-0.00	0.30	–

Table 8: Grade 4 - Yearly Math Performance and Counts for TRT and CTRL Datasets

	# Grades	# Schools	# Students	Z-Score	Percentile	ST Math Per Prog.
TRT.Baseline	149	148	12976	-0.10	46.09	–
TRT.18.19	149	148	12838	0.13	53.22	53.26
TRT.Delta	–	–	–	0.23	7.13	–
CTRL.Baseline	149	147	13828	-0.08	46.63	–
CTRL.18.19	149	147	13578	-0.06	47.58	–
CTRL.Delta	–	–	–	0.02	0.95	–

Table 9: Grade 5 - Yearly Math Performance and Counts for TRT and CTRL Datasets

3.5.2 Grade-Level Analysis of Changes in Z-scores of Proficient or Advanced

Figure 5 shows the changes in the grade-mean z-scores of students for the TRT and CTRL datasets, disaggregated by grade:

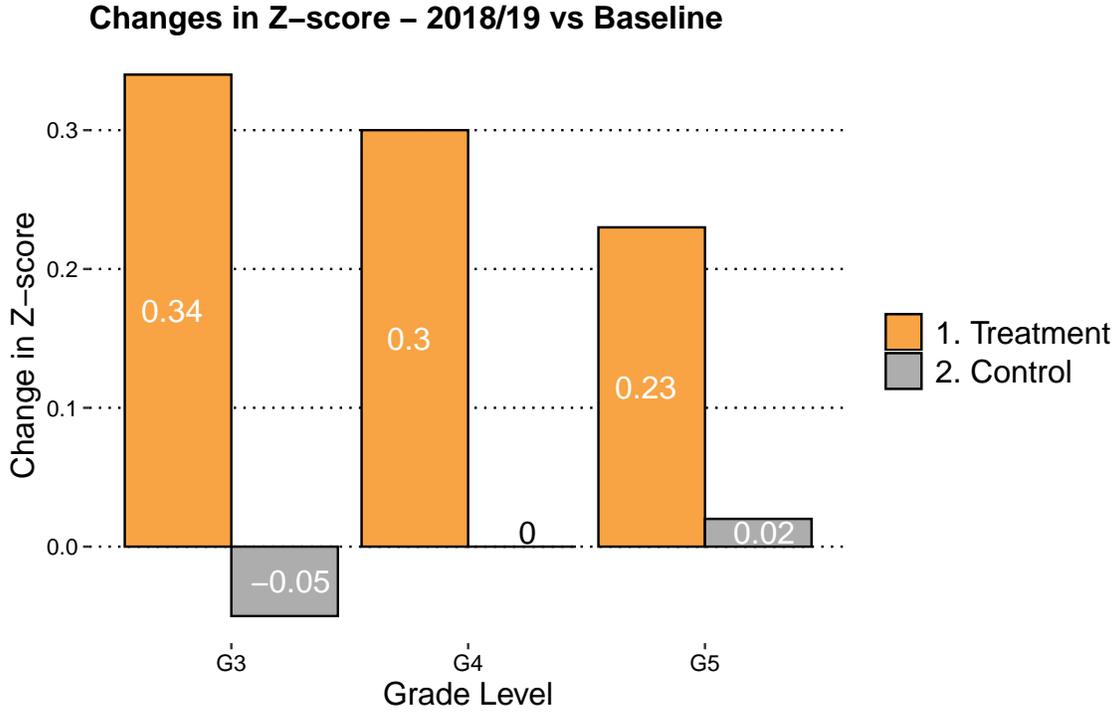


Figure 5: Changes in Grade-Mean Z-score (See Section 3.1) for TRT and CTRL Datasets between Baseline and 2018/19

Table 10 shows the statistics for the differences between TRT and CTRL (Treatment - Control) for these same z-score changes as shown in Figure 5.

	Estimate	P-Value	Int.Low	Int.High
Grade 3	0.39	0.00*	0.25	0.53
Grade 4	0.30	0.00*	0.17	0.44
Grade 5	0.21	0.01*	0.05	0.36

Table 10: Statistics for the Differential Changes in Z-scores (See Section 3.1) Growth, (TRT - CTRL)

4 Effect Size

The following table shows the effect sizes for z-score of Proficient or Advanced.

	Z-Score of Proficient or Advanced Effect Size
Grade 3	0.42
Grade 4	0.33
Grade 5	0.23
All Grades	0.34

Table 11: Cohen's d Effect Size

5 Findings Summary

USA grades 3, 4, and 5 using ST Math with high district enrollment for the year 2018/19 averaged 25.6% ST Math Progress. 629/2673 grades (24%) averaged covering more than 40% of ST Math content. Statistically significant differences were found in this analysis for both grade-aggregated and individual grade levels. Looking at Table 6, a statistically significant differences was found for grade-aggregated z-score, with an estimate of 0.31 points favorable for the ST Math treatment set. Furthermore, referring to table 10, grades 3, 4, and 5 ST math treatment sets outperformed their matched controls for z-scores with statistically significant differences of 0.39, 0.3, and 0.21, respectively.

6 Confounders

Despite best efforts in minimizing confounders to the results of this analysis, there still remain a few input variables that could be significant in affecting differences of state test score outcomes between the Treatment and Control sets. One issue is the lack of randomization of grades chosen to receive the ST Math treatment. Instead of randomized selection, Treatment grades are self-selected. Self-selection can be an indication of districts or schools with a focus on math, an appetite for change, and with a spotlight on math training. Furthermore, not all grades using the ST Math program are chosen for analysis. Each grade must pass two specific filters to be considered for the Treatment set: the first being an enrollment filter of at least 85% of students in each grade using the program, and the second being a progress filter of at least 40% of the program completed on average by students in that grade. These filters might indicate relatively high-functioning schools with a team of relatively effective teachers in that grade, thus resulting in better instruction overall. A mitigation of this possible confounder is our selection of treatment groups on the grade level, rather than the teacher level, so there is no cherry picking of teachers: the full range of teachers in each grade is included. Moreover, the specific teachers may often be the same in the baseline year as in the current year, so the Treatment growth is not due to teacher differences. Finally, a possible confounder lies in the "business as usual" conditions at the matched control grades chosen for each analysis. It's unknown whether these control grades used other programs that could affect the comparison of the two sets of grades.

7 Lists of Schools

7.1 Treatment Schools

The following tables list the treatment schools and grades (after 85% enrollment and 40% progress filtering) used in the analysis.

PID	IID	State	District	School Name	GRADE
39908	EDI6KO	AZ	Mesa Unified District	Edison Elementary School	3
4019883	CAC6K6	AZ	Paradise Valley Unified District	Cactus View Elementary School	3, 4, 5
4949343	ASC7AS	CA	ASCEND	ASCEND	5
95160	LAS0RS	CA	Capistrano Unified	Las Palmas Elementary	5, 3
4947216	MAR75F	CA	Capistrano Unified	Marblehead Elementary	5, 3
4925153	GRE0RX	CA	Fresno Unified	David L. Greenberg Elementary	3, 4, 5
96073	BRY75W	CA	Garden Grove Unified	Bryant Elementary	4
96097	CLI75W	CA	Garden Grove Unified	Clinton Elementary	5
96334	JOHORW	CA	Garden Grove Unified	John Marshall Elementary	3
11455086	INN73X	CA	Innovations Academy	Innovations Academy	5, 4
98576	CUL759	CA	Irvine Unified	Culverdale Elementary	5
98667	VIS758	CA	Irvine Unified	Vista Verde	5
4875950	PLA758	CA	Irvine Unified	Plaza Vista	3
11132313	KIP6Y3	CA	KIPP Raices Academy	KIPP Raices Academy	4
71463	BAR708	CA	Long Beach Unified	Barton Elementary	3
71475	ALI708	CA	Long Beach Unified	Birney Elementary	4
71487	FLO709	CA	Long Beach Unified	Bixby Elementary	3, 4
71504	BUR70A	CA	Long Beach Unified	Burbank Elementary	5, 4, 3
71528	BUR709	CA	Long Beach Unified	Bobbie Smith Elementary	3
71542	GEO708	CA	Long Beach Unified	Carver Elementary	4
71554	GRO6ZZ	CA	Long Beach Unified	Cleveland Elementary	5, 4, 3
71578	CUB708	CA	Long Beach Unified	Cubberley K-8	5
71621	FRE709	CA	Long Beach Unified	Fremont Elementary	4
71633	MIN709	CA	Long Beach Unified	Gant Elementary	5
71657	GOM6ZZ	CA	Long Beach Unified	Gompers K-8	4
71683	HAR708	CA	Long Beach Unified	Harte Elementary	4
71736	HUD709	CA	Long Beach Unified	Hudson K-8	4
71750	JAM6ZZ	CA	Long Beach Unified	Riley Elementary	4, 3, 5
71798	CHA708	CA	Long Beach Unified	Kettering Elementary	5
71803	KIN708	CA	Long Beach Unified	King Elementary	5
71815	LAF708	CA	Long Beach Unified	Lafayette Elementary	4
71839	ROB708	CA	Long Beach Unified	Olivia Nieto Herrera Elementary	4
71841	ABR709	CA	Long Beach Unified	Lincoln Elementary	3
71877	HEN709	CA	Long Beach Unified	Longfellow Elementary	5
71889	LOS708	CA	Long Beach Unified	Los Cerritos Elementary	3, 5, 4
71891	LOW708	CA	Long Beach Unified	Lowell Elementary	3
71906	DOU6ZZ	CA	Long Beach Unified	MacArthur Elementary	5
71920	HOR708	CA	Long Beach Unified	Mann Elementary	5
71970	MUI709	CA	Long Beach Unified	Muir K-8	3, 4
71982	NAP708	CA	Long Beach Unified	Naples Elementary	4, 3
71994	NEW708	CA	Long Beach Unified	Newcomb Academy	4
72027	PRI709	CA	Long Beach Unified	Prisk Elementary	4
72053	SIG703	CA	Long Beach Unified	Signal Hill Elementary	4, 5, 3
72089	STE708	CA	Long Beach Unified	Stevenson Elementary	4, 3
72106	TIN709	CA	Long Beach Unified	Tincher Preparatory	3, 4
72120	MAR70A	CA	Long Beach Unified	Twain Elementary	4
72144	DAN709	CA	Long Beach Unified	Webster Elementary	3, 4
72156	JOH709	CA	Long Beach Unified	Whittier Elementary	4, 3
3336511	ALV703	CA	Long Beach Unified	Alvarado Elementary	4
4286309	JAC708	CA	Long Beach Unified	Robinson Academy	5
5345776	CES708	CA	Long Beach Unified	Chavez Elementary	4
72780	HAR6Z0	CA	Los Angeles Unified	Harbor City Elementary	5, 3
73019	TOW702	CA	Los Angeles Unified	Towne Avenue Elementary	3
73411	NIN6Y0	CA	Los Angeles Unified	Ninety-Sixth Street Elementary	3
73526	STA6YS	CA	Los Angeles Unified	Stanford Avenue Elementary	4, 5, 3

Table 12: Treatment Schools (TRT Dataset)

PID	IID	State	District	School Name	GRADE
73538	STA0RS	CA	Los Angeles Unified	State Street Elementary	5, 3
74001	PAR6Y0	CA	Los Angeles Unified	Parmelee Avenue Elementary	3
76126	BUS6Y4	CA	Los Angeles Unified	Bushnell Way Elementary	5
76231	GAR0RT	CA	Los Angeles Unified	Garvanza Elementary	4, 5, 3
76396	LOS6Y5	CA	Los Angeles Unified	Los Feliz Science/Tech/Engineer/Math/Medicine Magn	3
77338	RES71P	CA	Los Angeles Unified	Reseda Elementary	3
77730	HER71Q	CA	Los Angeles Unified	Herrick Avenue Elementary	5, 3
77998	TUL71Q	CA	Los Angeles Unified	Tulsa Street Elementary	3
1832600	ARL6Y1	CA	Los Angeles Unified	Arlington Heights Elementary	5
10013702	PAN0RS	CA	Los Angeles Unified	Panorama City Elementary	3
11552036	EST6Y1	CA	Los Angeles Unified	Estrella Elementary	4
11562419	JAI0RS	CA	Los Angeles Unified	Jaime Escalante Elementary	3
49678	HIL0RW	CA	Oakland Unified	Hillcrest Elementary	3
49862	BEL7AT	CA	Oakland Unified	Bella Vista Elementary	3, 5
49965	GAR7AS	CA	Oakland Unified	Garfield Elementary	3
50110	SEQ7AS	CA	Oakland Unified	Sequoia Elementary	3
1530553	LAE7AS	CA	Oakland Unified	La Escuelita Elementary	3
4949381	INT7AS	CA	Oakland Unified	International Community	5
4949496	ACO7AU	CA	Oakland Unified	ACORN Woodland Elementary	4, 3
80907	LEX72W	CA	Pomona Unified	Lexington Elementary	3
102476	HIG74Y	CA	Riverside Unified	Highgrove Elementary	3, 5
102555	LON74Y	CA	Riverside Unified	Longfellow Elementary	5, 3
94336	SAN75D	CA	Saddleback Valley Unified	San Joaquin Elementary	5
94348	SAN75B	CA	Saddleback Valley Unified	Santiago STEAM Magnet Elementary	3
112550	ALC73V	CA	San Diego Unified	Alcott Elementary	3
112641	BAY73V	CA	San Diego Unified	Bay Park Elementary	4
112756	CAD73V	CA	San Diego Unified	Cadman Elementary	4
112794	CHE73V	CA	San Diego Unified	Chesterton Elementary	5
112885	CUB73W	CA	San Diego Unified	Cubberley Elementary	5
113035	FIE73V	CA	San Diego Unified	Field Elementary	3
113140	GRA73U	CA	San Diego Unified	Grant K-8	5
113190	HAR73V	CA	San Diego Unified	Hardy Elementary	3
113205	HAW73V	CA	San Diego Unified	Hawthorne Elementary	5
113217	HEA73W	CA	San Diego Unified	Hearst Elementary	3, 4
113700	OCE73U	CA	San Diego Unified	Ocean Beach Elementary	4
113920	SIL73U	CA	San Diego Unified	Silver Gate Elementary	3
113944	SPR73W	CA	San Diego Unified	Spreckels Elementary	3, 4
113970	SUN73U	CA	San Diego Unified	Sunset View Elementary	4
114065	WAS73U	CA	San Diego Unified	Washington Elementary	5
1824990	JER73X	CA	San Diego Unified	Jerabek Elementary	5, 4, 3
4428844	DIN73X	CA	San Diego Unified	Dingeman Elementary	3
5102536	SCR73X	CA	San Diego Unified	Scripps Elementary	3
2068814	CAR75I	CA	Santa Ana Unified	Carl Harvey Elementary	4
11134206	HER75I	CA	Santa Ana Unified	Heroes Elementary	4
119869	AUG7CG	CA	Stockton Unified	August Elementary	3
119936	FIL7CG	CA	Stockton Unified	Fillmore Elementary	5
119998	GRU7CG	CA	Stockton Unified	Grunsky Elementary	4
120014	HAR7CG	CA	Stockton Unified	Harrison Elementary	5, 4, 3
120105	MCK7CG	CA	Stockton Unified	McKinley Elementary	4
120117	MON7CG	CA	Stockton Unified	Monroe Elementary	3
120234	VIC7CG	CA	Stockton Unified	Victory Elementary	4, 3
2105072	KIN7CG	CA	Stockton Unified	King Elementary	4
3401439	WIL7CG	CA	Stockton Unified	Wilson Elementary	5, 4, 3
4950110	HUE7CG	CA	Stockton Unified	Dolores Huerta Elementary	3
10027351	MAX7CG	CA	Stockton Unified	Maxine Hong Kingston Elementary	5, 3

Table 13: Treatment Schools (TRT Dataset)

PID	IID	State	District	School Name	GRADE
103987	PIO7E8	CA	Twin Rivers Unified	Pioneer Elementary	4, 3
142854	HIL66Y	CO	ADAMS 12 FIVE STAR SCHOOLS	HILLCREST ELEMENTARY SCHOOL	3
149060	BUE68Q	CO	COLORADO SPRINGS 11	BUENA VISTA ELEMENTARY SCHOOL	4
146355	BAR0RX	CO	DENVER COUNTY 1	BARNUM ELEMENTARY SCHOOL	3, 4, 5
175007	BEE1JM	DC	District of Columbia Public Schools	Beers Elementary School	4
175095	HEN1JN	DC	District of Columbia Public Schools	Hendley Elementary School	4
175112	KET1JM	DC	District of Columbia Public Schools	Ketcham Elementary School	4, 3, 5
175198	ORR1JM	DC	District of Columbia Public Schools	Lawrence E. Boone Elementary School	3, 5
175203	PAT1JN	DC	District of Columbia Public Schools	Patterson Elementary School	3, 4
175215	RAN1JM	DC	District of Columbia Public Schools	Randle Highlands Elementary School	4, 3
175239	SIM1JN	DC	District of Columbia Public Schools	Simon Elementary School	3, 5
175461	LAF1JL	DC	District of Columbia Public Schools	Lafayette Elementary School	4, 3
175514	MUR1JK	DC	District of Columbia Public Schools	Murch Elementary School	4
175679	BUR1JL	DC	District of Columbia Public Schools	Burrville Elementary School	4
175746	HOU1JL	DC	District of Columbia Public Schools	Houston Elementary School	3
175796	MIN1JK	DC	District of Columbia Public Schools	Miner Elementary School	4
175801	NAL1JL	DC	District of Columbia Public Schools	Nalle Elementary School	4
176166	PLU1JL	DC	District of Columbia Public Schools	Plummer Elementary School	3
176245	WAL1JK	DC	District of Columbia Public Schools	Walker-Jones Education Campus	4
176714	HAR1JM	DC	District of Columbia Public Schools	Tubman Elementary School	4, 5
176764	BUR1JM	DC	District of Columbia Public Schools	Burroughs Elementary School	5
176881	SHE1JL	DC	District of Columbia Public Schools	Shepherd Elementary School	3
1754773	MAR1JN	DC	District of Columbia Public Schools	King Elementary School	4, 5
10007090	RAY2MC	FL	LEE	RAY V. POTTORF ELEMENTARY SCHOOL	4
3400045	CLA2IV	FL	ORANGE	CLAY SPRINGS ELEMENTARY	3, 5, 4
12101434	LEA0RU	FL	PASCO	LEARNING LODGE ACADEMY	5
199443	ANO2LT	FL	PINELLAS	ANONA ELEMENTARY SCHOOL	4, 3, 5
199481	BAU2LT	FL	PINELLAS	BAUDER ELEMENTARY SCHOOL	4, 3, 5
199510	BAY2LM	FL	PINELLAS	BAY VISTA FUNDAMENTAL ELEM.	3, 4, 5
199534	BEL2LS	FL	PINELLAS	BELCHER ELEMENTARY SCHOOL	5, 4, 3
199558	BLA2LM	FL	PINELLAS	BLANTON ELEMENTARY SCHOOL	5, 4, 3
199649	CRO2LU	FL	PINELLAS	CROSS BAYOU ELEMENTARY SCHOOL	4, 3, 5
199651	CUR2OD	FL	PINELLAS	CURTIS FUNDAMENTAL ELEMENTARY	3
199716	EIS2LR	FL	PINELLAS	EISENHOWER ELEMENTARY SCHOOL	5, 3
199754	FUG2LT	FL	PINELLAS	FUGUITT ELEMENTARY SCHOOL	4, 3, 5
199845	LAK2LN	FL	PINELLAS	LAKEVIEW FUNDAMENTAL ELEM.	5
199900	LEA2LN	FL	PINELLAS	LEALMAN AVENUE ELEMENTARY SCHOOL	5, 3
199912	LEA0RS	FL	PINELLAS	LEALMAN INNOVATION ACADEMY	5
199924	LYN2LM	FL	PINELLAS	LYNCH ELEMENTARY SCHOOL	4, 5
199948	MAD2LM	FL	PINELLAS	MADEIRA BEACH FUNDAMENTAL K-8	3, 4, 5
199986	MIL2LT	FL	PINELLAS	MILDRED HELMS ELEM. SCHOOL	4
200004	MOU2LN	FL	PINELLAS	MOUNT VERNON ELEMENTARY SCHOOL	5, 4, 3
200066	NOR2LN	FL	PINELLAS	NORTHWEST ELEMENTARY SCHOOL	5
200078	JOH2LN	FL	PINELLAS	JOHN M. SEXTON ELEMENTARY SCHL	4, 5, 3
200092	OAK2LT	FL	PINELLAS	OAKHURST ELEMENTARY SCHOOL	4, 3, 5
200107	OLD2OB	FL	PINELLAS	OLDSMAR ELEMENTARY SCHOOL	4
200119	ORA2LT	FL	PINELLAS	ORANGE GROVE ELEMENTARY SCHOOL	4, 3, 5
200121	OZO2OC	FL	PINELLAS	OZONA ELEMENTARY SCHOOL	4
200169	PAS2LN	FL	PINELLAS	PASADENA FUNDAMENTAL ELEM.	4, 3, 5
200171	PER2LN	FL	PINELLAS	PERKINS ELEMENTARY SCHOOL	4, 3, 5
200195	PIN2LU	FL	PINELLAS	PINELLAS CENTRAL ELEM. SCHOOL	5, 3, 4
200224	PLU2LS	FL	PINELLAS	PLUMB ELEMENTARY SCHOOL	4, 5, 3
200274	SAF2OD	FL	PINELLAS	SAFETY HARBOR ELEMENTARY SCHOOL	3, 4, 5
200303	SAN2OD	FL	PINELLAS	SAN JOSE ELEMENTARY SCHOOL	4, 3
200315	SEM2LT	FL	PINELLAS	SEMINOLE ELEMENTARY SCHOOL	4, 5, 3

Table 14: Treatment Schools (TRT Dataset)

PID	IID	State	District	School Name	GRADE
200341	SHO2LM	FL	PINELLAS	SHORE ACRES ELEMENTARY SCHOOL	4, 3
200365	SKY2LS	FL	PINELLAS	SKYCREST ELEMENTARY SCHOOL	5, 3, 4
200420	STA2LT	FL	PINELLAS	STARKEY ELEMENTARY SCHOOL	4, 5, 3
200432	SUN2OC	FL	PINELLAS	SUNSET HILLS ELEMENTARY SCHOOL	4, 3, 5
200456	TAR2OC	FL	PINELLAS	TARPON SPRINGS ELEMENTARY SCHOOL	4, 5, 3
200470	TAR2OD	FL	PINELLAS	TARPON SPRINGS FUNDAMENTAL ELE	3, 4, 5
200547	WAL2LT	FL	PINELLAS	WALSINGHAM ELEMENTARY SCHOOL	4, 3
200559	WES2LN	FL	PINELLAS	WESTGATE ELEMENTARY SCHOOL	4, 3
200597	SEV2LM	FL	PINELLAS	SEVENTY-FOURTH ST. ELEMENTARY	4, 5
2107410	LEI2LS	FL	PINELLAS	LEILA DAVIS ELEMENTARY SCHOOL	3, 5, 4
2202072	CUR2OC	FL	PINELLAS	CURLEW CREEK ELEMENTARY SCHOOL	4, 5, 3
2854833	CYP2OC	FL	PINELLAS	CYPRESS WOODS ELEMENTARY SCHL	4, 3, 5
2897029	SUT2OC	FL	PINELLAS	SUTHERLAND ELEMENTARY SCHOOL	5, 4, 3
3011890	SOU2LT	FL	PINELLAS	SOUTHERN OAK ELEMENTARY SCHOOL	4, 5
3051759	LAK2OC	FL	PINELLAS	LAKE ST. GEORGE ELEM. SCHOOL	3, 5, 4
3337278	GAR2OD	FL	PINELLAS	GARRISON-JONES ELEMENTARY SCHL	4, 3, 5
3399044	HIG2OC	FL	PINELLAS	HIGHLAND LAKES ELEMENTARY SCHL	4, 3, 5
3399068	SAW2LM	FL	PINELLAS	SAWGRASS LAKE ELEMENTARY SCHL	4, 5, 3
4022347	MAR2LU	FL	PINELLAS	MARJORIE KINNAN RAWLINGS ELEM	4, 3, 5
4757516	BRO2OC	FL	PINELLAS	BROOKER CREEK ELEMENTARY SCHL	3, 4, 5
4757528	MCM2LR	FL	PINELLAS	MCMULLEN-BOOTH ELEMENTARY SCHL	3, 5, 4
10902945	BET2C0	GA	GRIFFIN	BETHLEHEM ELEMENTARY SCHOOL	5, 4
275554	EAR4OD	IL	City of Chicago SD 299	Earhart Elem Opt for Knowl School	4
276132	MCD4OE	IL	City of Chicago SD 299	McDowell Elem School	4, 3
277526	GUN4OF	IL	City of Chicago SD 299	Gunsaulus Elem Scholastic Academy	5, 3
278934	AUD4OD	IL	City of Chicago SD 299	Audubon Elem School	4, 3
280561	PEI4OI	IL	City of Chicago SD 299	Peirce Elem Intl Studies School	4, 3
4291330	CHA4OC	IL	City of Chicago SD 299	Chavez Elem Multicultural Acad Ct	3
298207	CEN4N0	IL	SD U-46	Century Oaks Elem School	4
1540637	LOR4N0	IL	SD U-46	Lords Park Elem School	3
407343	JOH5ER	LA	ORLEANS PARISH	PHILLIS WHEATLEY COMMUNITY SCHOOL	4
407525	SAM5ER	LA	ORLEANS PARISH	SAMUEL J. GREEN CHARTER SCHOOL	4, 3
408385	MCD5ER	LA	ORLEANS PARISH	KIPP MORIAL	3
10914039	LAN5ER	LA	ORLEANS PARISH	LANGSTON HUGHES CHARTER ACADEMY	3
10914211	ART5ER	LA	ORLEANS PARISH	ARTHUR ASHE CHARTER SCHOOL	4
11560007	KIP5EX	LA	ORLEANS PARISH	KIPP CENTRAL CITY	3
440216	JOH0RX	MA	Boston	Eliot Elementary	3, 4
440230	ELL05V	MA	Boston	Ellis Mendell	4
441167	PHI0RT	MA	Boston	Phineas Bates	3
448086	UNI0RU	MA	Worcester	Union Hill School	3, 5
455534	THO1MZ	MD	NA	Thomas Johnson Elementary/Middle	3
703719	MCC6PZ	NM	Albuquerque Public Schools	McCollum Elementary School	5
703874	BAR6PY	NM	Albuquerque Public Schools	Barcelona Elementary School	4
704220	ALA6PZ	NM	Albuquerque Public Schools	Alameda Elementary School	4
1523469	DOL6PY	NM	Albuquerque Public Schools	Dolores Gonzales Elementary School	4, 5
711572	GOR6V9	NV	Achievement	Gordon McCaw Elementary School	4, 3, 5
711869	WEN6VI	NV	Achievement	Wendell P. Williams Elementary School	5
711936	OKA0RS	NV	Achievement	O K Adcock Elementary School	3, 4
711986	ROB6V9	NV	Achievement	Robert L. Taylor Elementary School	4, 3, 5
712148	SUN6VI	NV	Achievement	Sunrise Acres Elementary School	3
712227	VIR6VA	NV	Achievement	Virgin Valley Elementary School	3, 4, 5
712277	WHI0RV	NV	Achievement	Whitney Elementary School	4, 5
3274377	JOH0RT	NV	Achievement	John F. Mendoza Elementary School	4
3328851	UTE0RS	NV	Achievement	Ute Perkins Elementary School	5
3328904	CHA6VK	NV	Achievement	Charlotte Hill Elementary School	3, 4, 5

Table 15: Treatment Schools (TRT Dataset)

PID	IID	State	District	School Name	GRADE
3401661	RIC6VJ	NV	Achievement	Richard J Rundle Elementary School	5
4019120	JIM0RS	NV	Achievement	Jim Thorpe Elementary School	5, 4, 3
4038932	HPF0RS	NV	Achievement	H P Fitzgerald Elementary School	4, 3
4038944	LOU6VK	NV	Achievement	Louis Wiener Jr Elementary School	3, 4, 5
4747195	ADD6VB	NV	Achievement	Addelair Guy Elementary School	3
4919934	JOH6VR	NV	Achievement	John C. Bass Elementary School	4, 3
4945505	LUC6VM	NV	Achievement	Lucille S Rogers Elementary School	3, 4, 5
5270224	CHA6VM	NV	Achievement	Charles & Phyllis Frias Elementary School	5, 4, 3
5348089	EVA6VC	NV	Achievement	Eva G Simmons Elementary School	4, 3, 5
5348144	JOH6VQ	NV	Achievement	John R Hummel Elementary School	4
10024787	WIL0S2	NV	Achievement	William V Wright Elementary School	3
10024799	JUD0RS	NV	Achievement	Judith D Steele Elementary School	4, 3
10024804	STE6VQ	NV	Achievement	Steve Schorr Elementary School	3, 4, 5
742882	PS20RV	NY	NEW YORK CITY GEOGRAPHIC DISTRICT # 6	PS 28 WRIGHT BROTHERS	5
742935	PS10RW	NY	NEW YORK CITY GEOGRAPHIC DISTRICT # 6	PS 152 DYCKMAN VALLEY	5
745925	PS20RS	NY	NEW YORK CITY GEOGRAPHIC DISTRICT #17	PS 289 GEORGE V BROWER	5, 4, 3
10008989	AFE0V4	NY	NEW YORK CITY GEOGRAPHIC DISTRICT #19	ACHIEVEMENT FIRST EAST NEW YORK CHARTER SCHOOL	4
747143	PS10VG	NY	NEW YORK CITY GEOGRAPHIC DISTRICT #22	PS 119 AMERSFORT	4, 5
1008263	JUN0RS	TX	CARROLLTON-FARM	THOMPSON ELEM.	4, 3
1418242	COU0RS	TX	CARROLLTON-FARM	COUNTRY PLACE E	4
1418254	DAL0RS	TX	CARROLLTON-FARM	DAVIS ELEM.	3, 4, 5
1826156	MCC0RS	TX	CARROLLTON-FARM	MCCOY ELEM.	5, 4, 3
2178081	FUR0RS	TX	CARROLLTON-FARM	FURNEAUX ELEM.	5, 4
2894120	LAS0RT	TX	CARROLLTON-FARM	LAS COLINAS ELE	4
3248988	ELK0RT	TX	CARROLLTON-FARM	KENT ELEM.	3, 4
5350018	BER0RX	TX	CARROLLTON-FARM	FREEMAN ELEM.	4
996447	BEL5WM	TX	KILLEEN ISD	BELLAIRE ELEM.	3, 4
996459	CLI5WM	TX	KILLEEN ISD	CLIFTON PARK EL	4, 3
996461	EAS5WM	TX	KILLEEN ISD	EAST WARD ELEM.	4, 5, 3
996540	MEA5WM	TX	KILLEEN ISD	MEADOWS ELEM.	3, 4, 5
996564	NOL5WN	TX	KILLEEN ISD	NOLANVILLE ELEM	4, 5
996576	PEE5WM	TX	KILLEEN ISD	PEEBLES ELEM.	4, 5, 3
996588	PER5WM	TX	KILLEEN ISD	PERSHING PARK E	3, 5
996605	SUG5WM	TX	KILLEEN ISD	SUGAR LOAF ELEM	4, 3, 5
996617	WES5WM	TX	KILLEEN ISD	WEST WARD ELEM.	3
1525869	CLA5WM	TX	KILLEEN ISD	CLARKE ELEM.	3
2897213	HAY5WM	TX	KILLEEN ISD	HAY BRANCH ELEM	4, 3
3051503	MOU5WM	TX	KILLEEN ISD	MOUNTAIN VIEW E	4, 3
3244700	REE5WM	TX	KILLEEN ISD	REECES CREEK EL	5, 4, 3
3334551	CLE5WM	TX	KILLEEN ISD	CLEAR CREEK ELE	5, 3, 4
4027634	CED5WM	TX	KILLEEN ISD	CEDAR VALLEY EL	3, 4
4027646	BRO5WM	TX	KILLEEN ISD	BROOKHAVEN ELEM	5, 3, 4
4368799	VEN5WM	TX	KILLEEN ISD	VENABLE VILLAGE	3, 4
4806569	MON5WM	TX	KILLEEN ISD	MONTAGUE VILLAG	3, 5
4806571	TRI5WM	TX	KILLEEN ISD	TRIMMIER ELEM.	4, 5, 3
4941896	MAX5WM	TX	KILLEEN ISD	MAXDALE ELEM.	5, 4
5271864	IDU5WM	TX	KILLEEN ISD	IDUMA ELEM.	5, 4
5271876	IRA5WM	TX	KILLEEN ISD	IRA CROSS JR. E	3, 5
5347815	OVE5WM	TX	KILLEEN ISD	OVETA CULP HOBBS	3
10002052	TIM5WM	TX	KILLEEN ISD	TIMBER RIDGE EL	3, 5, 4
10030724	SAE5WM	TX	KILLEEN ISD	SAEGERT ELEM.	4, 3, 5
10030736	SKI5WM	TX	KILLEEN ISD	SKIPCHA ELEM.	5, 4, 3
11449336	RIC5WN	TX	KILLEEN ISD	RICHARD E. CAVA	3, 5
11718474	HAY5WN	TX	KILLEEN ISD	HAYNES ELEM.	4
998110	GLE0RU	TX	NORTHSIDE ISD	GLENOAKS ELEM.	5, 4

Table 16: Treatment Schools (TRT Dataset)

PID	IID	State	District	School Name	GRADE
1027178	MEA0RV	TX	SPRING BRANCH I	MEADOW WOOD ELE	5, 4, 3
1027233	NOT0RS	TX	SPRING BRANCH I	NOTTINGHAM ELEM	3
4918320	WES6HC	UT	Alpine District	Westfield School	4
1065364	CRE0RV	UT	Canyons District	Crescent School	5, 4, 3
1553361	BRO6HL	UT	Canyons District	Brookwood School	4, 5
2108763	ALT0RT	UT	Canyons District	Altara School	3
1063328	JAT6HD	UT	Davis District	Taylor School	3
1063419	EAG6HE	UT	Davis District	Eagle Bay School	3
1063445	OAK6HD	UT	Davis District	Oak Hills School	3
1063483	SOU6HE	UT	Davis District	South Clearfield School	4
1063562	VAL6HD	UT	Davis District	Valley View School	4, 3
1881998	COO0RS	UT	Davis District	Cook School	3, 4
10029062	PAR0RY	UT	Davis District	Parkside School	3
12033461	ODY6HK	UT	Davis District	Odyssey School	5, 3
1064499	ACA6HO	UT	Granite District	Academy Park School	4
1064762	HOW6HO	UT	Granite District	Howard R. Driggs School	3
1064839	LAK0RS	UT	Granite District	Lake Ridge School	3
1064970	PHI6HO	UT	Granite District	Philo T. Farnsworth School	4, 5, 3
1064994	PLY6HO	UT	Granite District	Plymouth School	5, 3
1065120	VIS6HO	UT	Granite District	Vista School	3
1065209	WOO6HO	UT	Granite District	Woodstock School	4, 5
1558191	BEN6HN	UT	Granite District	Bennion School	3
1876943	CAL0RS	UT	Granite District	Calvin S. Smith School	4
2108141	HUN6HP	UT	Granite District	Hunter School	5, 4
10030334	GEA0RS	UT	Granite District	Geardl Wright School	3, 4, 5
1065821	DIL6HM	UT	Salt Lake District	Dilworth School	3
1065924	HAW6HM	UT	Salt Lake District	Hawthorne School	3
1066045	NIB6HM	UT	Salt Lake District	Nibley Park School	3
1066150	WAS6HM	UT	Salt Lake District	Wasatch School	3
1528213	MEA6HN	UT	Salt Lake District	Meadowlark School	3
11919501	CRI0RS	UT	Washington District	Crimson View School	3
1133076	MIT43S	WI	Milwaukee	Mitchell Elementary	4
1133155	VIE43S	WI	Milwaukee	Vieau Elementary	4
10010607	ROG43S	WI	Milwaukee	Rogers Street Academy	4

Table 17: Treatment Schools (TRT Dataset)

7.2 Control Schools

The following tables list the control schools and grades (matched control grades to treatment grades) used in the analysis.

PID	State	District	School Name	GRADE
1821027	AZ	Deer Valley Unified District	Sunrise Elementary School	4
4808658	AZ	Mesa Unified District	Wilson Elementary School	5
2107226	AZ	Paradise Valley Unified District	Echo Mountain Primary School	3
3055444	AZ	Peoria Unified School District	Sun Valley Elementary School	3
11712250	CA	America's Finest Charter	America's Finest Charter	5
11562744	CA	Ararat Charter	Ararat Charter	4
62046	CA	Bakersfield City	Frank West Elementary	3
62101	CA	Bakersfield City	Horace Mann Elementary	5
62113	CA	Bakersfield City	Hort Elementary	5
62204	CA	Bakersfield City	Munsey Elementary	5
62228	CA	Bakersfield City	Bessie E. Owens Primary	3
62278	CA	Bakersfield City	Voorhies Elementary	5
4947204	CA	Capistrano Unified	Chaparral Elementary	3
3052430	CA	Chino Valley Unified	Howard Cattle Elementary	3
110590	CA	Chula Vista Elementary	Lauderbach (J. Calvin) Elementary	3, 3
110758	CA	Chula Vista Elementary	Valley Vista Elementary	4
1397715	CA	Chula Vista Elementary	Tiffany (Burton C.) Elementary	4
1397727	CA	Chula Vista Elementary	Otay Elementary	5
4947357	CA	Chula Vista Elementary	McMillin (Corky) Elementary	4
3326619	CA	Clovis Unified	Pinedale Elementary	4
4033920	CA	Clovis Unified	Garfield Elementary	3
4454324	CA	Clovis Unified	Cedarwood Elementary	5
101197	CA	Corona-Norco Unified	Coronita Elementary	4
101264	CA	Corona-Norco Unified	Jefferson Elementary	4, 4, 5
4363799	CA	Corona-Norco Unified	Susan B. Anthony Elementary	5
5279270	CA	Corona-Norco Unified	Temescal Valley Elementary	5
4017873	CA	Darnall Charter	Darnall Charter	3
3325005	CA	Desert Sands Unified	James Monroe Elementary	3
3473523	CA	Desert Sands Unified	Gerald R. Ford Elementary	3
10027454	CA	Desert Sands Unified	Ronald Reagan Elementary	3
103028	CA	Elk Grove Unified	Charles E. Mack Elementary	3
103066	CA	Elk Grove Unified	Elk Grove Elementary	5, 5
103092	CA	Elk Grove Unified	Franklin Elementary	4
4017720	CA	Elk Grove Unified	Mary Tsukamoto Elementary	3
5100291	CA	Elk Grove Unified	Irene B. West Elementary	3
10006759	CA	Elk Grove Unified	Helen Carr Castello Elementary	4
107749	CA	Fontana Unified	Live Oak Elementary	3
4034895	CA	Fontana Unified	Hemlock Elementary	5
4944587	CA	Fontana Unified	Chaparral Elementary	3
2226901	CA	Fremont Unified	Ardenwood Elementary	3
57209	CA	Fresno Unified	Easterby Elementary	5
57211	CA	Fresno Unified	Eaton Elementary	4
57261	CA	Fresno Unified	Fremont Elementary	3
57443	CA	Fresno Unified	Ericson Elementary	5
57546	CA	Fresno Unified	Norseman Elementary	3
57584	CA	Fresno Unified	Roeding Elementary	5
57730	CA	Fresno Unified	Turner Elementary	3, 4
2105826	CA	Fresno Unified	Forkner Elementary	4, 4
96372	CA	Garden Grove Unified	Leo Carrillo Elementary	4
96413	CA	Garden Grove Unified	Louis G. Zeyen Elementary	4
96542	CA	Garden Grove Unified	Parkview Elementary	3
11822738	CA	Howard Gardner Community Charter	Howard Gardner Community Charter	3
10025286	CA	Iftin Charter	Iftin Charter	3
1170139	CA	Lodi Unified	Leroy Nichols Elementary	5
1170153	CA	Lodi Unified	Live Oak Elementary	4

Table 18: Matched Control Schools (CTRL Dataset)

PID	State	District	School Name	GRADE
1170270	CA	Lodi Unified	Vinewood Elementary	5
1541772	CA	Lodi Unified	Heritage Elementary	4
3333583	CA	Lodi Unified	Beckman Elementary	4
4948193	CA	Lodi Unified	Clyde W. Needham Elementary	4
11130676	CA	Lodi Unified	Podesta Ranch Elementary	3, 5
72778	CA	Los Angeles Unified	Halldale Elementary	5
72819	CA	Los Angeles Unified	Leland Street Elementary	3
73071	CA	Los Angeles Unified	Wilmington Park Elementary	4
74049	CA	Los Angeles Unified	Gil Garcetti Learning Academy	3
74051	CA	Los Angeles Unified	Sixty-First Street Elementary	3
75043	CA	Los Angeles Unified	Seventy-Fourth Street Elementary	4
75079	CA	Los Angeles Unified	Birdielee V. Bright Elementary	3
75158	CA	Los Angeles Unified	Wonderland Avenue Elementary	4, 5
75421	CA	Los Angeles Unified	Rosemont Avenue Elementary	4, 4
75835	CA	Los Angeles Unified	Lorena Street Elementary	4
75940	CA	Los Angeles Unified	Sierra Vista Elementary	4
76281	CA	Los Angeles Unified	Griffin Avenue Elementary	4
76724	CA	Los Angeles Unified	Lankershim Elementary	3
77027	CA	Los Angeles Unified	Balboa Gifted/High Ability Magnet Elementary	5
77845	CA	Los Angeles Unified	O'Melveny Elementary	3
77962	CA	Los Angeles Unified	Sylmar Elementary	3, 4, 5
78552	CA	Los Angeles Unified	Welby Way Charter Elementary School And Gifted-Hig	4
3251557	CA	Los Angeles Unified	Parthenia Academy of Arts and Technology	3
3401245	CA	Los Angeles Unified	Leo Politi Elementary	4
3401257	CA	Los Angeles Unified	Burton Street Elementary	4
3402823	CA	Los Angeles Unified	Nueva Vista Elementary	5
4815077	CA	Los Angeles Unified	Haynes Charter For Enriched Studies	4
5351921	CA	Los Angeles Unified	Charles White Elementary	4, 5
10009892	CA	Los Angeles Unified	Cesar Chavez Elementary	5
10009919	CA	Los Angeles Unified	Aurora Elementary	3
10025559	CA	Los Angeles Unified	Huntington Park Elementary	5
11562598	CA	Los Angeles Unified	Ambassador School-Global Education	3
135473	CA	Modesto City Elementary	Burbank Elementary	3
135540	CA	Modesto City Elementary	John Fremont Elementary	5
135655	CA	Modesto City Elementary	Robertson Road Elementary	4
101953	CA	Moreno Valley Unified	Edgemont Elementary	5
102012	CA	Moreno Valley Unified	Sunnymead Elementary	3
3253634	CA	Moreno Valley Unified	Hidden Springs Elementary	4
10004593	CA	Moreno Valley Unified	La Jolla Elementary	5
54025	CA	Mt. Diablo Unified	El Monte Elementary	5
54063	CA	Mt. Diablo Unified	Gregory Gardens Elementary	3
54142	CA	Mt. Diablo Unified	Monte Gardens Elementary	3
4287688	CA	Mt. Diablo Unified	Cambridge Elementary	3
5361562	CA	Mt. Diablo Unified	Delta View Elementary	5
98019	CA	Orange Unified	Fletcher Elementary	4
108810	CA	Rialto Unified	Kelley Elementary	3
108846	CA	Rialto Unified	Bemis Elementary	4
102347	CA	Riverside Unified	Alcott Elementary	3, 5
102505	CA	Riverside Unified	Jackson Elementary	3
102531	CA	Riverside Unified	Liberty Elementary	3
5276383	CA	Riverside Unified	John F. Kennedy Elementary	4
104333	CA	Sacramento City Unified	Caroline Wenzel Elementary	3
104955	CA	Sacramento City Unified	Sutterville Elementary	5
1543304	CA	Sacramento City Unified	Golden Empire Elementary	4
4034326	CA	Sacramento City Unified	Matsuyama Elementary	3

Table 19: Matched Control Schools (CTRL Dataset)

PID	State	District	School Name	GRADE
12042876	CA	Sacramento City Unified	New Joseph Bonnheim (NJB) Community Charter	3
108999	CA	San Bernardino City Unified	Ramona-Alessandro Elementary	5
109084	CA	San Bernardino City Unified	Manuel A. Salinas Creative Arts Elementary	3
109515	CA	San Bernardino City Unified	Warm Springs Elementary	3
10004737	CA	San Bernardino City Unified	Roger Anton Elementary	3
116130	CA	San Francisco Unified	Argonne Elementary	3
116271	CA	San Francisco Unified	Cleveland Elementary	3
117196	CA	San Francisco Unified	Sanchez Elementary	5
117249	CA	San Francisco Unified	Malcolm X Academy	4
2180400	CA	San Francisco Unified	Lilienthal (Claire) Elementary	4
4836265	CA	San Francisco Unified	Tenderloin Community	5
128195	CA	San Jose Unified	Empire Gardens Elementary	3
128482	CA	San Jose Unified	Simonds Elementary	3
128523	CA	San Jose Unified	Washington Elementary	3
139003	CA	San Jose Unified	River Glen	3, 5
105038	CA	San Juan Unified	Albert Schweitzer Elementary	4
105129	CA	San Juan Unified	Carmichael Elementary	4
105181	CA	San Juan Unified	Coyle Avenue Elementary	4
105210	CA	San Juan Unified	Del Dayo Elementary	3
105571	CA	San Juan Unified	Oakview Community Elementary	3, 5
55433	CA	San Ramon Valley Unified	Montair Elementary	5
10001929	CA	San Ramon Valley Unified	Quail Run Elementary	4
10913413	CA	San Ramon Valley Unified	Live Oak Elementary	3, 3
4749870	CA	Temecula Valley Unified	Vintage Hills Elementary	3
73655	CA	Val Verde Unified	Mary McLeod Bethune Elementary	4
138877	CA	Visalia Unified	Riverway Elementary	3
138932	CA	Visalia Unified	Linwood Elementary	4
138944	CA	Visalia Unified	Mineral King Elementary	5
55081	CA	West Contra Costa Unified	Murphy Elementary	5
55275	CA	West Contra Costa Unified	Valley View Elementary	5
11708572	CA	Yav Pem Suab Academy - Preparing for the	Yav Pem Suab Academy - Preparing for the Future Ch	4
146886	CO	DENVER COUNTY 1	TREVISTA AT HORACE MANN	4
147359	CO	DENVER COUNTY 1	SWANSEA ELEMENTARY SCHOOL	3
11453234	CO	DENVER COUNTY 1	MATHEMATICS AND SCIENCE LEADERSHIP ACADEMY	5
150930	CO	JEFFERSON COUNTY R-1	ARVADA K-8	3
2222369	CO	JEFFERSON COUNTY R-1	STONY CREEK ELEMENTARY SCHOOL	4
11824932	DC	Capital City PCS	Capital City PCS - Middle School	5
177304	DC	Center City PCS	Center City PCS - Trinidad	3
175332	DC	District of Columbia Public Schools	Eaton Elementary School	4
175435	DC	District of Columbia Public Schools	Janney Elementary School	3
175459	DC	District of Columbia Public Schools	Key Elementary School	4
175564	DC	District of Columbia Public Schools	School Without Walls @ Francis-Stevens	4, 5
176075	DC	District of Columbia Public Schools	J.O. Wilson Elementary School	3, 3, 5, 5
176130	DC	District of Columbia Public Schools	Maury Elementary School @ Eliot-Hine	5
176465	DC	District of Columbia Public Schools	Garrison Elementary School	3, 4, 4, 5
11718539	DC	District of Columbia Public Schools	Capitol Hill Montessori School @ Logan	3, 4
5278288	DC	Eagle Academy PCS	Eagle Academy PCS - Congress Heights	3
11741976	DC	Eagle Academy PCS	Eagle Academy PCS - Capitol Riverfront	3
4873940	DC	Friendship PCS	Friendship PCS - Southeast Middle School	4
4919984	DC	Friendship PCS	Friendship PCS - Blow Pierce Middle School	4
12161862	DC	Friendship PCS	Friendship PCS - Online	4
10014445	DC	Hope Community PCS	Hope Community PCS - Tolson	4
11917101	DC	Ideal Academy PCS	Ideal Academy PCS	3, 4
4873926	DC	Meridian PCS	Meridian PCS	4
5346407	DC	Two Rivers PCS	Two Rivers PCS - 4th St	4

Table 20: Matched Control Schools (CTRL Dataset)

PID	State	District	School Name	GRADE
181408	FL	ALACHUA	SIDNEY LANIER CENTER	5
181587	FL	BAY	CEDAR GROVE ELEMENTARY SCHOOL	5
181599	FL	BAY	MERRIAM CHERRY STREET ELEM.	3
181733	FL	BAY	PARKER ELEMENTARY SCHOOL	3
182000	FL	BREVARD	COQUINA ELEMENTARY SCHOOL	4
182012	FL	BREVARD	IMPERIAL ESTATES ELEM. SCHOOL	3
182440	FL	BREVARD	SABAL ELEMENTARY SCHOOL	4
182581	FL	BREVARD	CAPE VIEW ELEMENTARY SCHOOL	4
2191083	FL	BREVARD	JOHN F. TURNER, SENIOR ELEMENTARY SCHOOL	4
3336705	FL	BREVARD	ATLANTIS ELEMENTARY SCHOOL	5
4915550	FL	BREVARD	ROYAL PALM CHARTER SCHOOL	4
4915653	FL	BREVARD	ROBERT L. STEVENSON ELEMENTARY SCHOOL	4
182763	FL	BROWARD	BROADVIEW ELEMENTARY SCHOOL	5
182907	FL	BROWARD	JAMES S. HUNT ELEMENTARY SCHOOL	4
182983	FL	BROWARD	NORCREST ELEMENTARY SCHOOL	5
183834	FL	BROWARD	STIRLING ELEMENTARY SCHOOL	4
183860	FL	BROWARD	TROPICAL ELEMENTARY SCHOOL	4
183925	FL	BROWARD	BOULEVARD HEIGHTS ELEMENTARY	4
184163	FL	BROWARD	SHERIDAN HILLS ELEMENTARY SCHL	5
184175	FL	BROWARD	SHERIDAN PARK ELEMENTARY SCHL	5
1413321	FL	BROWARD	MORROW ELEMENTARY SCHOOL	3
1546708	FL	BROWARD	RAMBLEWOOD ELEMENTARY SCHOOL	5
3252240	FL	BROWARD	HAWKES BLUFF ELEMENTARY SCHOOL	5
4036336	FL	BROWARD	RIVERGLADES ELEMENTARY SCHOOL	3
4756586	FL	BROWARD	PANTHER RUN ELEMENTARY SCHOOL	3
4756873	FL	BROWARD	CENTRAL CHARTER SCHOOL	4, 4
4809315	FL	BROWARD	LAKESIDE ELEMENTARY SCHOOL	4
10011845	FL	BROWARD	DOLPHIN BAY ELEMENTARY SCHOOL	4
2200062	FL	CLAY	RIDGEVIEW ELEMENTARY SCHOOL	4
5346823	FL	CLAY	SWIMMING PEN CREEK ELEMENTARY SCHOOL	3
11069326	FL	CLAY	SHADOWLAWN ELEMENTARY SCHOOL	5
185014	FL	COLLIER	TOMMIE BARFIELD ELEM. SCHOOL	4
189163	FL	DUVAL	GREGORY DRIVE ELEMENTARY SCHOOL	4
189345	FL	DUVAL	JOHN STOCKTON ELEMENTARY SCHOOL	4
189357	FL	DUVAL	JOSEPH FINEGAN ELEMENTARY SCHOOL	5
189503	FL	DUVAL	MAMIE AGNES JONES ELEMENTARY SCHOOL	3
189541	FL	DUVAL	MAYPORT ELEMENTARY SCHOOL	3
189668	FL	DUVAL	OCEANWAY ELEMENTARY SCHOOL	4
3251466	FL	DUVAL	MANDARIN OAKS ELEMENTARY SCHOOL	5
3401324	FL	DUVAL	GREENLAND PINES ELEM. SCHOOL	5
10910497	FL	DUVAL	CHAFFEE TRAIL ELEMENTARY	4
190760	FL	ESCAMBIA	O. J. SEMMES ELEMENTARY SCHOOL	3
1524229	FL	ESCAMBIA	L. D. MCARTHUR ELEMENTARY SCHL	3
3399381	FL	ESCAMBIA	HELLEN CARO ELEMENTARY SCHOOL	4
11750824	FL	FL VIRTUAL	FLVS FULL TIME K-5	3
192017	FL	HILLSBOROUGH	CHIARAMONTE ELEMENTARY SCHOOL	5
192407	FL	HILLSBOROUGH	KINGSWOOD ELEMENTARY SCHOOL	3
192471	FL	HILLSBOROUGH	LOCKHART ELEMENTARY MAGNET SCHOOL	4
192603	FL	HILLSBOROUGH	MITCHELL ELEMENTARY SCHOOL	5
192782	FL	HILLSBOROUGH	RIVERVIEW ELEMENTARY SCHOOL	3
192861	FL	HILLSBOROUGH	SEMINOLE ELEMENTARY SCHOOL	5
2042157	FL	HILLSBOROUGH	BUCKHORN ELEMENTARY SCHOOL	5
2180694	FL	HILLSBOROUGH	APOLLO BEACH ELEMENTARY SCHOOL	4
3006508	FL	HILLSBOROUGH	ALAFIA ELEMENTARY SCHOOL	3
4018578	FL	HILLSBOROUGH	HUNTER'S GREEN ELEMENTARY SCHL	4

Table 21: Matched Control Schools (CTRL Dataset)

PID	State	District	School Name	GRADE
4810041	FL	HILLSBOROUGH	WESTCHASE ELEMENTARY SCHOOL	4
5351115	FL	HILLSBOROUGH	MACFARLANE PARK ELEMENTARY MAGNET SCHOOL	4
10902608	FL	HILLSBOROUGH	SUMMERFIELD CROSSINGS ELEMENTARY SCHOOL	3
10902646	FL	HILLSBOROUGH	INDEPENDENCE ACADEMY	5
194003	FL	LAKE	TREADWAY ELEMENTARY SCHOOL	3
5278343	FL	LAKE	PINE RIDGE ELEMENTARY SCHOOL	3
4291172	FL	LEE	PINEWOODS ELEMENTARY SCHOOL	4
10007131	FL	LEE	OASIS CHARTER ELEMENTARY SCHOOL	5
10024062	FL	LEE	RIVER HALL ELEMENTARY SCHOOL	3, 4
10910693	FL	LEE	MANATEE ELEMENTARY SCHOOL	5
194754	FL	LEON	SEALEY ELEMENTARY SCHOOL	3
4948131	FL	LEON	ROBERTS ELEMENTARY SCHOOL	3
2112128	FL	MANATEE	FLORINE J ABEL ELEMENTARY SCHOOL	5
2848561	FL	MANATEE	WILLIAM H. BASHAW ELEMENTARY	3
4915457	FL	MANATEE	WILLIAM MONROE ROWLETT ACADEMY ARTS/COMMUNIC	5
10028044	FL	MANATEE	ROBERT WILLIS ELEMENTARY SCHOOL	3
10913504	FL	MANATEE	IMAGINE CHARTER SCHOOL AT NORTH MANATEE	4
195502	FL	MARION	FT. MCCOY SCHOOL	3
195576	FL	MARION	DR N H JONES ELEMENTARY SCHOOL	3
3334006	FL	MARION	EVERGREEN ELEMENTARY SCHOOL	5
185272	FL	MIAMI-DADE	FIENBERG/FISHER K-8 CENTER	4
185777	FL	MIAMI-DADE	NORTH HIALEAH ELEMENTARY SCHL	5
186185	FL	MIAMI-DADE	MIAMI SHORES ELEMENTARY SCHOOL	4
186628	FL	MIAMI-DADE	KENSINGTON PARK ELEM. SCHOOL	3
186795	FL	MIAMI-DADE	SOUTHSIDE ELEMENTARY SCHOOL	5
187191	FL	MIAMI-DADE	SYLVANIA HEIGHTS ELEM. SCHOOL	5
10024581	FL	MIAMI-DADE	NORMA BUTLER BOSSARD ELEMENTARY SCHOOL	4
196192	FL	OKALOOSA	EGLIN ELEMENTARY SCHOOL	4
196283	FL	OKALOOSA	JAMES E PLEW ELEMENTARY SCHL	4
196348	FL	OKALOOSA	MARY ESTHER ELEMENTARY SCHOOL	3
197005	FL	ORANGE	LAKE SILVER ELEMENTARY	5
197031	FL	ORANGE	LAKEMONT ELEMENTARY	5
3008506	FL	ORANGE	PALM LAKE ELEMENTARY	5
3402304	FL	ORANGE	WATERFORD ELEMENTARY	5
4366208	FL	ORANGE	CYPRESS SPRINGS ELEMENTARY	3, 5
4919788	FL	ORANGE	CITRUS ELEMENTARY	5
5097905	FL	OSCEOLA	CANOE CREEK CHARTER ACADEMY	3
5346524	FL	OSCEOLA	BELLALAGO CHARTER ACADEMY	4
198516	FL	PALM BEACH	GROVE PARK ELEMENTARY SCHOOL	4
198803	FL	PALM BEACH	BANYAN CREEK ELEMENTARY SCHOOL	3
198891	FL	PALM BEACH	NORTH GRADE ELEMENTARY SCHOOL	4
3380914	FL	PALM BEACH	JUPITER FARMS ELEMENTARY SCHL	5
4290104	FL	PALM BEACH	MANATEE ELEMENTARY SCHOOL	3
4457089	FL	PALM BEACH	WATERS EDGE ELEMENTARY SCHOOL	5
4755582	FL	PALM BEACH	GOLDEN GROVE ELEMENTARY SCHOOL	5
5282057	FL	PALM BEACH	DIAMOND VIEW ELEMENTARY SCHOOL	5
10002765	FL	PALM BEACH	HIDDEN OAKS ELEMENTARY SCHOOL	5
199182	FL	PASCO	CYPRESS ELEMENTARY SCHOOL	5
2227345	FL	PASCO	LAKE MYRTLE ELEMENTARY SCHOOL	3
10021498	FL	PASCO	OAKSTEAD ELEMENTARY SCHOOL	3, 5
10904101	FL	PASCO	NEW RIVER ELEMENTARY SCHOOL	4
11452060	FL	PASCO	WATERGRASS ELEMENTARY SCHOOL	3
11557737	FL	PINELLAS	PLATO ACADEMY PALM HARBOR CHARTER SCHOOL	3
11825273	FL	PINELLAS	PINELLAS ACADEMY OF MATH AND SCIENCE	4
201292	FL	POLK	GRIFFIN ELEMENTARY SCHOOL	3

Table 22: Matched Control Schools (CTRL Dataset)

PID	State	District	School Name	GRADE
201371	FL	POLK	PHILIP O'BRIEN ELEMENTARY SCHOOL	5
201436	FL	POLK	ROCHELLE SCHOOL OF THE ARTS	3
201797	FL	POLK	FRANK E. BRIGHAM ACADEMY	5
2199669	FL	POLK	JAMES W. SIKES ELEMENTARY SCHL	4
2846329	FL	POLK	R. CLEM CHURCHWELL ELEMENTARY	4
3397503	FL	POLK	VALLEYVIEW ELEMENTARY SCHOOL	4
10007260	FL	POLK	CHAIN OF LAKES ELEMENTARY SCHOOL	4
3333533	FL	SARASOTA	TAYLOR RANCH ELEMENTARY SCHOOL	5
203836	FL	SEMINOLE	RED BUG ELEMENTARY SCHOOL	3
203941	FL	SEMINOLE	WOODLANDS ELEMENTARY SCHOOL	4
4950627	FL	SEMINOLE	CHOICES IN LEARNING CHARTER	4
202961	FL	ST. LUCIE	RIVERS EDGE ELEMENTARY SCHOOL	4
3052703	FL	ST. LUCIE	BAYSHORE ELEMENTARY SCHOOL	3
10008056	FL	ST. LUCIE	OAK HAMMOCK K-8 SCHOOL	4
10914302	FL	ST. LUCIE	ALLAPATTAH FLATS K-8	5
11456482	FL	ST. LUCIE	RENAISSANCE CHARTER SCHOOL OF ST. LUCIE	3
204505	FL	VOLUSIA	VOLUSIA PINES ELEMENTARY SCHOOL	3
204787	FL	VOLUSIA	TOMOKA ELEMENTARY SCHOOL	5
207777	GA	FIRST DISTRICT	ELLIS ELEMENTARY SCHOOL	4, 5
274938	IL	City of Chicago SD 299	Addams Elem School	4
275750	IL	City of Chicago SD 299	Grissom Elem School	4
278128	IL	City of Chicago SD 299	McClellan Elem School	3
279043	IL	City of Chicago SD 299	Belding Elem School	3
279122	IL	City of Chicago SD 299	Brennemann Elem School	3
279275	IL	City of Chicago SD 299	Chappell Elem School	3, 4
280248	IL	City of Chicago SD 299	Mayer Elem School	4
280509	IL	City of Chicago SD 299	Onahan Elem School	3
1532850	IL	City of Chicago SD 299	Powell Elem Paideia Comm Academy	3
4882886	IL	City of Chicago SD 299	Sandoval Elem School	5
327626	IL	Rockford SD 205	Arthur Froberg Elem School	4
399916	LA	CALCASIEU PARISH	FAIRVIEW ELEMENTARY SCHOOL	3
401404	LA	EAST BATON ROUGE PARISH	CAPITOL ELEMENTARY SCHOOL	4
401894	LA	EAST BATON ROUGE PARISH	RYAN ELEMENTARY SCHOOL	4
403957	LA	JEFFERSON PARISH	G.T. WOODS ELEMENTARY SCHOOL	4
404494	LA	JEFFERSON PARISH	WILLIAM HART ELEMENTARY SCHOOL	3
2178500	LA	LAFAYETTE PARISH	RIDGE ELEMENTARY SCHOOL	3
408452	LA	ORLEANS PARISH	NELSON ELEMENTARY SCHOOL	3
440319	MA	Boston	Franklin D Roosevelt	4
440785	MA	Boston	Joyce Kilmer	3
425931	MA	Springfield	Frank H Freedman	5
426284	MA	Springfield	White Street	3
1524578	MA	Springfield	German Gerena Community School	3
447915	MA	Worcester	Midland Street	4
5326275	MD	NA	Empowerment Academy	3
704555	NM	Albuquerque Public Schools	Valle Vista Elementary School	4
5100095	NM	Albuquerque Public Schools	El Camino Real Academy	4
1171913	NM	Las Cruces Public Schools	Valley View Elementary School	4
1171925	NM	Las Cruces Public Schools	Booker T. Washington Elementary School	5
5264952	NM	Las Cruces Public Schools	Columbia Elementary School	5
711417	NV	Achievement	C P Squires Elementary School	3
711649	NV	Achievement	Ira J Earl Elementary School	4
712033	NV	Achievement	Rex Bell Elementary School	5
1399048	NV	Achievement	Bill Y Tomiyasu Elementary School	5
1399050	NV	Achievement	Helen M Smith Elementary School	3
1544657	NV	Achievement	Elbert Edwards Elementary School	4

Table 23: Matched Control Schools (CTRL Dataset)

PID	State	District	School Name	GRADE
1544671	NV	Achievement	Walter V Long Elementary School	3
3010731	NV	Achievement	Marion B Earl Elementary School	5
3055391	NV	Achievement	Martin Luther King Jr Elementary School	3, 4, 5
3249205	NV	Achievement	Claude & Stella Parson Elementary School	5
3328899	NV	Achievement	Walter Jacobson Elementary School	3
3328930	NV	Achievement	Dorothy Eisenberg Elementary School	3, 3, 3, 5
3328942	NV	Achievement	Herbert A Derfelt Elementary School	4
3401568	NV	Achievement	Helen Jydstrup Elementary School	4, 5
3401623	NV	Achievement	Marc Kahre Elementary School	3
3401946	NV	Achievement	Edythe & Lloyd Katz Elementary School	3
3401972	NV	Achievement	Helen Herr Elementary School	4
4038956	NV	Achievement	Ulis Newton Elementary School	4
4465050	NV	Achievement	Richard H Bryan Elementary School	3
4465062	NV	Achievement	Aggie Roberts Elementary School	5
4919908	NV	Achievement	Sheila R. Tarr Elementary School	3
5099525	NV	Achievement	Tony Alamo Elementary School	5
5348065	NV	Achievement	William & Mary Scherkenbach Elementary School	4
5348156	NV	Achievement	Wayne N Tanaka Elementary School	3, 5
10000822	NV	Achievement	Joseph E Thiriout Elementary School	4
11103594	NV	Achievement	Carolyn S Reedom Elementary School	3
713465	NV	Washoe	Florence Drake Elementary School	5
713544	NV	Washoe	Hunter Lake Elementary School	4
713635	NV	Washoe	Mamie Towles Elementary School	3, 4
713697	NV	Washoe	Peavine Elementary School	3, 3, 4, 4
713740	NV	Washoe	Rita Cannan Elementary School	5
713829	NV	Washoe	Stead Elementary School	4
2126832	NV	Washoe	Katherine Dunn Elementary School	4
2890576	NV	Washoe	Jerry Whitehead Elementary School	5
4452742	NV	Washoe	Donner Springs Elementary School	4, 4
4880498	NV	Washoe	Sierra Nevada Academy Charter School	5
4368086	NY	NEW YORK CITY GEOGRAPHIC DISTRICT # 6	PS 4 DUKE ELLINGTON	5
743410	NY	NEW YORK CITY GEOGRAPHIC DISTRICT # 8	PS 130 ABRAM STEVENS HEWITT	5
746060	NY	NEW YORK CITY GEOGRAPHIC DISTRICT #18	PS 235 JANICE MARIE KNIGHT SCHOOL	4
748032	NY	NEW YORK CITY GEOGRAPHIC DISTRICT #25	PS 154	4
749567	NY	NEW YORK CITY GEOGRAPHIC DISTRICT #30	PS 148	4, 5
732710	NY	ROCHESTER CITY SCHOOL DISTRICT	SCHOOL 4-GEORGE MATHER FORBES	5
782648	NY	YONKERS CITY SCHOOL DISTRICT	SCHOOL 29	3
1010436	TX	ALDINE ISD	BUSSEY ELEM.	3
1047166	TX	AMARILLO ISD	AVONDALE ELEM.	4
1047386	TX	AMARILLO ISD	OLSEN PARK ELEM	4
1051935	TX	ARLINGTON ISD	SWIFT ELEM.	4
4754461	TX	ARLINGTON ISD	LARSON ELEM.	5
1056399	TX	AUSTIN ISD	MATHEWS ELEM.	3
4032017	TX	CLEAR CREEK ISD	WEDGEWOOD ELEM.	3
1008392	TX	DALLAS ISD	ALEX SANGER PRE	5
1009645	TX	DALLAS ISD	GENEVA HEIGHTS	5
1009762	TX	DALLAS ISD	STEPHEN C. FOST	4
1010151	TX	DALLAS ISD	WALNUT HILL ELE	3
1013268	TX	DENTON ISD	GINNINGS ELEM.	3
3009744	TX	DENTON ISD	MCNAIR ELEM.	3
11128568	TX	DENTON ISD	STEPHENS ELEM.	4, 5
1014717	TX	ECTOR COUNTY IS	ELEM. MAGNET AT	4
1014810	TX	ECTOR COUNTY IS	ROSS ELEM.	4, 4, 5
2126416	TX	ECTOR COUNTY IS	BLANTON ELEM.	3
2178251	TX	ECTOR COUNTY IS	MURRY FLY ELEM.	3

Table 24: Matched Control Schools (CTRL Dataset)

PID	State	District	School Name	GRADE
1015591	TX	EL PASO ISD	COLDWELL ELEM.	5
4035667	TX	EL PASO ISD	GREEN ELEM.	5
1018191	TX	FORT BEND ISD	RIDGEMONT ELEM.	3
1418319	TX	FORT BEND ISD	QUAIL VALLEY EL	4
4452273	TX	FORT BEND ISD	WALTER MOSES BU	3
1053256	TX	FORT WORTH ISD	M.L. PHILLIPS E	4
1053579	TX	FORT WORTH ISD	WAVERLY PARK EL	4
1053608	TX	FORT WORTH ISD	WESTCREEK ELEM.	3
4919439	TX	FORT WORTH ISD	LOWERY ROAD	4
1382928	TX	GARLAND ISD	NORTHLAKE ELEM.	5
10907397	TX	GARLAND ISD	LIBERTY GROVE E	3
1010993	TX	GRAND PRAIRIE I	SAM RAYBURN ELE	4
2126727	TX	GRAND PRAIRIE I	SUZANNA DICKINS	5
12113968	TX	GRAND PRAIRIE I	SCHOOL FOR THE	3
1024023	TX	HOUSTON ISD	GARDEN OAKS MON	4
1024164	TX	HOUSTON ISD	WESLEY ELEM.	5
1024255	TX	HOUSTON ISD	SMITH ELEM.	5
1024425	TX	HOUSTON ISD	EMERSON ELEM.	4, 5
1024633	TX	HOUSTON ISD	SUTTON ELEM.	3
1024750	TX	HOUSTON ISD	CAGE ELEM.	4
1025326	TX	HOUSTON ISD	PETERSEN ELEM.	5
1025508	TX	HOUSTON ISD	FRANKLIN ELEM.	4
1025742	TX	HOUSTON ISD	SOUTHMAYD ELEM.	5
4016087	TX	HOUSTON ISD	SHADOWBRIAR ELE	4
4016104	TX	HOUSTON ISD	CRESPO ELEM.	4
4016697	TX	HOUSTON ISD	HERRERA ELEM.	3
1026162	TX	HUMBLE ISD	FOSTER ELEM.	4
1829457	TX	HUMBLE ISD	ELM GROVE ELEM.	4, 5
1011155	TX	IRVING ISD	ELLIOTT ELEM.	4
10023240	TX	IRVING ISD	JOHN W. AND MAR	3
1832105	TX	KATY ISD	ZELMA HUTSELL E	3
3249114	TX	KATY ISD	LORAIN T. GOLB	3
4286969	TX	KLEIN ISD	SCHULTZ ELEM.	5
10030748	TX	LAMAR CISD	WILLIAM VELASQU	4
11447211	TX	LAMAR CISD	CORA THOMAS ELE	3
2112142	TX	LEWISVILLE ISD	PETERS COLONY E	5
3008714	TX	LUBBOCK ISD	SMITH ELEM.	4
11073690	TX	MANSFIELD ISD	LOUISE CABANISS	4
997673	TX	NORTH EAST ISD	CAMELOT ELEM.	3
997685	TX	NORTH EAST ISD	CASTLE HILLS EL	3
3250321	TX	NORTH EAST ISD	REDLAND OAKS EL	3, 5
1824079	TX	NORTHSIDE ISD	CARLOS COON ELE	3
2178330	TX	NORTHSIDE ISD	BRAUN STATION E	3
4754760	TX	NORTHSIDE ISD	STUEBING ELEM.	4
1026978	TX	PASADENA ISD	STUCHBERY ELEM.	4
1011844	TX	RICHARDSON ISD	O. HENRY ELEM.	3
1011959	TX	RICHARDSON ISD	SPRINGRIDGE ELE	4, 5
2893994	TX	ROUND ROCK ISD	DOUBLE FILE TRA	4
998392	TX	SAN ANTONIO ISD	BEACON HILL ACA	3
999059	TX	SAN ANTONIO ISD	BONHAM ACAD.	5
5272301	TX	SOCORRO ISD	PASO DEL NORTE	3
1027491	TX	SPRING ISD	JOHN WINSHIP EL	5
2110613	TX	SPRING ISD	ANDERSON ELEM.	3
1059494	TX	UNITED ISD	NYE ELEM.	5
1059509	TX	UNITED ISD	COL SANTOS BENA	4

Table 25: Matched Control Schools (CTRL Dataset)

PID	State	District	School Name	GRADE
4875194	TX	UNITED ISD	JULIA BIRD JONE	3
1016375	TX	YSLETA ISD	EAST POINT ELEM	4
1016612	TX	YSLETA ISD	SOUTH LOOP ELEM	3
1016648	TX	YSLETA ISD	YSLETA ELEM.	5
1067142	UT	Alpine District	Alpine School	3
1067207	UT	Alpine District	Cherry Hill School	3
1067245	UT	Alpine District	Grovecrest School	5
1067374	UT	Alpine District	Scera Park	3
1067403	UT	Alpine District	Shelley School	3
1878484	UT	Alpine District	Highland School	4
2131033	UT	Alpine District	Meadow School	3
5345312	UT	Alpine District	Saratoga Shores School	3
11134995	UT	Alpine District	Hidden Hollow School	3
11717420	UT	Alpine District	Riverview School	3
1065510	UT	Canyons District	Peruvian Park School	3
1065637	UT	Canyons District	Willow Canyon School	3
4809808	UT	Canyons District	Oak Hollow School	4
1063225	UT	Davis District	Crestview School	5
1063287	UT	Davis District	H C Burton School	5
1063380	UT	Davis District	Lincoln School	3
1063548	UT	Davis District	Tolman School	3
4867018	UT	Davis District	Creekside School	3
5100239	UT	Davis District	Heritage School	4
1064504	UT	Granite District	Arcadia School	4
1065003	UT	Granite District	Redwood School	4
1065194	UT	Granite District	Woodrow Wilson School	4, 5
1065211	UT	Granite District	Western Hills School	3
1065625	UT	Jordan District	Westland School	3
4809846	UT	Jordan District	Rose Creek School	3
11448863	UT	Jordan District	Silver Crest School	5
1067477	UT	Nebo District	Goshen School	3
1067518	UT	Nebo District	Park School	4
1067685	UT	Nebo District	Westside School	5
4748292	UT	Nebo District	Canyon School	3
10023525	UT	Nebo District	Foothills School	3
2888597	UT	Washington District	Panorama School	4, 5
5346031	UT	Washington District	Riverside School	4
1068445	UT	Weber District	Lakeview School	3
1068550	UT	Weber District	Roosevelt School	3
1068641	UT	Weber District	West Weber School	5
1068665	UT	Weber District	Washington Terrace School	3
1876981	UT	Weber District	Country View School	4, 4
2222814	UT	Weber District	Farr West School	4
5350850	WI	Milwaukee	HAPA-Hmong American Peace Academy K3-12	4, 4
11718187	WI	Milwaukee	Milwaukee College Preparatory School – 38th Street	4

Table 26: Matched Control Schools (CTRL Dataset)