Codebook for A Lottery-Based Evaluation of the Impact of Public School Choice Programs on Achievement, Non-Cognitive Outcomes, and College Outcomes: Results of a Pre-Registered Study

Acknowledgments and Data Access

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The data for this project are available by applying to the San Diego Unified School District for access as part of a research project. Applications may be made by following the steps listed on the district website at:

Research Applications - IT Department (sandiegounified.org)

If at a future date a potential user finds that this link no longer functions (due to a reorganization of the district website for example), for help please contact the PI, Julian Betts, at jbetts@ucsd.edu.

Overview of the Data Setup

The data for this project have been transferred to the above office in the form of a Stata dataset, named choicedata_share.dta.

The data for this project is the product of joining a dataset with one observation per student school choice application with a separate longitudinal dataset on student outcomes, with one observation per student-school year. (This was done using Stata using a "joinby studentid" command, where studentid is the identification number unique to each student.

For example, if a student applied to 3 different magnet schools during all of the years he or she was enrolled in the district, and if he or she was enrolled for a total of 7 years, then there will be 3*7=21 observations in the dataset, each specific to a given student, year of enrollment, and school choice application made by that student.

This has important implications for proper use of the data. For each year enrolled, the variable yearsp indicates spring of the year of the student's enrollment. To find observations that occur in the school years *after* the student applies to the given school of choice, one needs to use the variable appyearsp, which indicates spring of the calendar year for which the student applied to the school of choice. For example, if a student applied in fall 2007 for a seat in a magnet school for the 2008-2009 school year, then appyearsp=2009. If a researcher wanted to examine test score or other outcomes in the school year for which the student applied, the relevant if condition would be "if yearsp==appyearsp". If the

researcher wanted to model test scores in the year for which the student applied *and all later years*, then the relevant if condition would be "if yearsp>=appyearsp".

The above applies to outcomes observed each year, such as attendance and (in most grades) test scores. But many of the outcomes we modeled include "once-only" variables, that are observed only once per student, such as graduation on time and whether the student obtained a Bachelor's degree within five years of the expected high school graduation date. These variables are appended to *all* observations for a given student. For instance, in the example above, with a student enrolled in the district for 7 years, and who applied to three magnet schools, graduation on time and other once-only variables are attached to all 21 observations for that student. The researcher therefore must use only one of these observations for a given school choice application to avoid exaggerating the sample size. A simple way to do this is with the sample selection condition "if yearsp==appyearsp".

Key variables that identify each observation include the student id (studentid), the calendar year in which spring occurs for the given school year of student outcomes (yearsp), the calendar year in which spring occurs for the school year to which the student has made a school choice application (appyearsp), the type of school choice program to which the student has applied (program, which takes on values M V and P for Magnet, VEEP (busing) and Choice, which is the district's open enrollment program), and the number of school years that have transpired since the student made the given school choice application (timesince). For example, if a student applies in December 2007 to enter a school of choice in 2008-09 then timesince will be 1 and 2 when yearsp is 2009 and 2010 respectively. Negative values indicate school years before the school choice application was made. The dummy variable trulytrue equals 1 if the student was part of a true lottery, and this is key to identifying the subset of school choice applications, and students, who were truly randomized such that within the given lottery group there are strictly positive numbers of students in both treatment and control groups.

Conditions to Find Relevant Subsamples

All regressions to study impacts should use the criterion if trulytrue==1, for this condition identifies true lotteries where there are strictly positive fractions of applicants to a given lottery who won and who lost, and where admissions conformed exactly to the random variable the district used to randomize students.

Additionally, to focus on outcomes observed after the student makes a specific choice application, the condition yearsp>=appyearsp for annual outcomes like attendance and suspensions must be added, and for once-only outcome like graduation and college outcomes, any single observation for a specific student-school choice application must be added, such as yearsp==appyearsp.

Finally, for test scores, the state tests in math and English Language Arts (ELA) were not given in all grades and years. There are a small number of students who have these test scores but appear to have been tested out of a regularly tested grade. For test scores, then, an additional sample restriction that should be used is, for ELA test scores, testedgrade==1, and for math test scores, testedgradem==1. Examples follow in a later section below.

Summary of Variables in the Data

The following shows the order of the variables in the data-set, with comments (/* …. */ briefly indicating the categories of variables. Below that is a list describing each variable. A full codebook with statistics on each variable appears at the end of this codebook.

order studentid lottid program lwinner trulytrue wonwent wondecl yearsp appyearsp timesince wontime ///

/* baseline regressors: */ bas_zela bas_zmath bas_misszmath bas_misszela bas_black_0 bas_hispanic_0 ///

bas_asian_0 bas_ethothr_0 bas_female_0 bas_el_0 bas_speced_0 bas_missfemale bas_missel bas_missspeced bas_missethnic ///

/* added dummies for each baseline grade based on grade_0; also include missing dummy */ grade_0 missgrade ///

/* Dependent variables: */ ///

dv_zmath dv_zela normprog gradontime abspcnt persevere respect secbehavgpa suspend ///

postsec2_4yr1 nyrs_yr4 BS_LE5yrs AS_LE5yrs ///

/* Indicators to be used to restrict test score models to grades with comparable tests for READING and MATH */ ///

testedgrade testedgradem ///

/* Indicators for enrollment in given type of choice in given year: */ ///

ms ch vp /* And cumulative # years in given type of choice from given lottery until the current year: */ ///

n_cum_ms n_cum_vp n_cum_ch ///

/* Intended school characteristics from contrast.do, where intended means the school applied to: */ ///

ivaladdr ivaladdm imeanr imeanm iwhite iblack iasian ihisp iabspcnt igpa iparbach isecbehav igontime ///

itc_yrssvc itc_fullcrd itc_clad itc_bclad itc_masters itc_female ///

itc_white itc_black itc_hisp itc_asian itc_other ///

/* Characteristics of default (neXt) school: */ ///

xvaladdr xvaladdm xmeanr xmeanm xwhite xblack xasian xhisp xabspcnt xgpa xparbach xsecbehav xgontime ///

xtc_yrssvc xtc_fullcrd xtc_clad xtc_bclad xtc_masters xtc_female ///

xtc_white xtc_black xtc_hisp xtc_asian xtc_other ///

/* Finally, difference in characteristics of intended school to which applied and default next school */ ///

dvaladdr dvaladdm dmeanr dmeanm dwhite dblack dasian dhisp dabspcnt dgpa dparbach dsecbehav dgontime ///

dtc_yrssvc dtc_fullcrd dtc_clad dtc_bclad dtc_masters dtc_female ///

dtc_white dtc_black dtc_hisp dtc_asian dtc_other ///

/* Next from choice_itt_mediate_selected.do the list of mediators used, all averaged over 2002-13 */ ///

valaddr slmeanr slwhite slblack slasian slhisp slabspcnt slparbach slgontime slontrack9 ///

/* Teacher characteristics */ tc_yrssvc tc_fullcrd tc_clad tc_bclad tc_masters ///

tc_female tc_white tc_black tc_hisp tc_asian tc_other

Brief variable descriptions:

```
. describe


Contains data from Z:/School Choice/Data/Processed/choicedata_share.dta
 Observations:     1,662,874
    Variables:           142                  8 Apr 2024 12:39
-------------------------------------------------------------------------------------------
--
Variable      Storage   Display    Value
    name         type    format    label      Variable label
-------------------------------------------------------------------------------------------
--
studentid       long    %12.0g                Student id number (scrambled)
lottid          float   %9.0g                 numeric lottery id N.YY.Z N=_n YY=fall of year Z=1
2
                                                3 for C M V
program         str1    %1s                   School choice program type, M=magnet, V=VEEP
                                                (busing), C=Choice (open enroll)
lwinner         float   %9.0g                 lottery winner
trulytrue       float   %9.0g                 Lottery has both winners and losers, and in correct
                                                sequence
wonwent         float   %9.0g                 intended and ever went
wondecl         float   %9.0g                 intended but never went
yearsp          float   %9.0g                 Year (number) in which Spring semester occurred
appyearsp       float   %9.0g                 Spring of school year for which student applied
timesince       float   %9.0g                 Number of Years Potentially in Choice after Choice
                                                Appl'n
wontime         float   %9.0g                 lwinner * # of years potentially in choice since
                                                lottery
bas_zela        float   %9.0g                 Z score for reading miss set =0) CST/SBAC stdized
                                                using state data, BASE Yr
bas_zmath       float   %9.0g                 Z score math (miss set =0) CST/SBAC stdized using
                                                state data, BASE Yr
bas_misszmath   float   %9.0g                 Indicator for MISSING Z score for math, BASE Yr
bas_misszela    float   %9.0g                 Indicator for MISSING Z score for ELA, BASE Yr
bas_black_0     float   %9.0g                 African-American, BASE Yr
bas_hispanic_0  float   %9.0g                 Hispanic, BASE Yr
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bas_asian_0	float	%9.0g	Asian or Pacific Islander, BASE Yr
bas_ethothr_0	float	%9.0g	Ethnicity other than Wh, Bl, Asn, Hisp, BASE Yr
bas_female_0	float	%9.0g	Female with 0 for miss values, BASE Yr
bas_el_0	float	%9.0g	EL status with 0 for miss values, BASE Yr
bas_speced_0	float	%9.0g	Special Ed with 0 for miss values, BASE Yr
bas_missfemale	float	%9.0g	Indicator for female miss, BASE Yr
bas_missel	float	%9.0g	Indicator for EL miss, BASE Yr
bas_missspeced	float	%9.0g	Indicator for speced miss, BASE Yr
bas_missethnic	float	%9.0g	Ethnic variable missing, BASE Yr
grade_0	float	%9.0g	Grade with 0 for missing values
missgrade	float	%9.0g	Indicator for missing grade level
dv_zmath	float	%9.0g	Z score math (miss set =.) CST/SBAC stdized using state data
dv_zela	float	%9.0g	Z score for reading (miss set =.) CST/SBAC stdized using state data
normprog	float	%9.0g	1=advanced >=1 grades this year, 0 otherwise
gradontimeor	float	%9.0g	Graduated by expected year, =0 if still in school dropout
abspcnt	double	%12.0g	Pct of time absent
persevere	float	%9.0g	student takes responsibility, perseveres (pre-2015: completes work) 1-3 scale, 0
respect	float	%9.0g	student shows respect 1-3 scale, 0= missing
secbehavgpa	double	%12.0g	HS Behav GPA
suspend	float	%9.0g	1= Suspended in current year, 0=not suspended in current year. Missing in 0102 a
postsec2_4yr1	byte	%8.0g	Postsec 2 or 4 enroll in yr1
nyrs_yr4	byte	%8.0g	Num yrs enroll 2 or 4 in yr4
BS_LE5yrs	byte	%8.0g	Bachelor’s degree obtained within 5 years of hs graduation (0/1
AS_LE5yrs	byte	%8.0g	Associate’s degree obtained within 5 years of hs graduation (0/1)
testedgradefor	float	%9.0g	Indicator for whether student was in tested grade READING
testedgrademfor	float	%9.0g	Indicator for whether student was in tested grade MATH

ms	byte	%9.0g	In Magnet School in current year
ch	byte	%9.0g	In Choice program in current year
vp	byte	%9.0g	In VEEP program in current year
n_cum_ms	float	%9.0g	Cumulative # years in magnet from given lottery (any type) year to current year
n_cum_vp	float	%9.0g	Cumulative # years in VEEP from given lottery (any type) year to current year
n_cum_ch	float	%9.0g	Cumulative # years in Choice from given lottery (any type) year to current year
ivaladdr	float	%9.0g	Intended school value added, reading CST
ivaladdm	float	%9.0g	Intended school value aded, math CST
imeanr	float	%9.0g	Intended school mean reading CST Z score
imeanm	float	%9.0g	Intended school mean math CST Z score
iwhite	float	%9.0g	Intended school mean % white
iblack	float	%9.0g	Intended school mean % black
iasian	float	%9.0g	Intended school mean % Asian
ihisp	float	%9.0g	Intended school mean % Hispanic
iabspcnt	float	%9.0g	Intended school mean % days absent
igpa	float	%9.0g	Intended school mean GPA
iparbach	float	%9.0g	Intended school mean % parents with Bachelor's or higher
isecbehav	float	%9.0g	Intended school mean citizenship grade
igontime	float	%9.0g	Intended school mean % graduating high school on time
itc_yrssvc	double	%10.0g	Intended school mean of teacher variable yrssvc
itc_fullcrd	double	%10.0g	Intended school mean of teacher variable fullcrd
itc_clad	double	%10.0g	Intended school mean of teacher variable clad
itc_bclad	double	%10.0g	Intended school mean of teacher variable bclad
itc_masters	double	%10.0g	Intended school mean of teacher variable masters
itc_female	double	%10.0g	Intended school mean of teacher variable female
itc_white	double	%10.0g	Intended school mean of teacher variable white
itc_black	double	%10.0g	Intended school mean of teacher variable black
itc_hisp	double	%10.0g	Intended school mean of teacher variable hisp
itc_asian	double	%10.0g	Intended school mean of teacher variable asian
itc_other	double	%10.0g	Intended school mean of teacher variable other
xvaladdr	float	%9.0g	NEXT school value added, reading CST

xvaladdm	float	%9.0g	NEXT school value aded, math CST
xmeanr	float	%9.0g	NEXT school mean reading CST Z score
xmeanm	float	%9.0g	NEXT school mean math CST Z score
xwhite	float	%9.0g	NEXT school mean % white
xblack	float	%9.0g	NEXT school mean % black
xasian	float	%9.0g	NEXT school mean % Asian
xhisp	float	%9.0g	NEXT school mean % Hispanic
xabspcnt	float	%9.0g	NEXT school mean % days absent
xgpa	float	%9.0g	NEXT school mean GPA
xparbach	float	%9.0g	NEXT school mean % parents with Bachelor's or higher
xsecbehav	float	%9.0g	NEXT school mean citizenship grade
xgontime	float	%9.0g	NEXT school mean % graduating high school on time
xtc_yrssvc	double	%10.0g	NEXT school mean of teacher variable yrssvc
xtc_fullcrd	double	%10.0g	NEXT school mean of teacher variable fullcrd
xtc_clad	double	%10.0g	NEXT school mean of teacher variable clad
xtc_bclad	double	%10.0g	NEXT school mean of teacher variable bclad
xtc_masters	double	%10.0g	NEXT school mean of teacher variable masters
xtc_female	double	%10.0g	NEXT school mean of teacher variable female
xtc_white	double	%10.0g	NEXT school mean of teacher variable white
xtc_black	double	%10.0g	NEXT school mean of teacher variable black
xtc_hisp	double	%10.0g	NEXT school mean of teacher variable hisp
xtc_asian	double	%10.0g	NEXT school mean of teacher variable asian
xtc_other	double	%10.0g	NEXT school mean of teacher variable other
dvaladdr	float	%9.0g	INTENDED-NEXT school value added, reading CST
dvaladdm	float	%9.0g	INTENDED-NEXT school value aded, math CST
dmeanr	float	%9.0g	INTENDED-NEXT school mean reading CST Z score
dmeanm	float	%9.0g	INTENDED-NEXT school mean math CST Z score
dwhite	float	%9.0g	INTENDED-NEXT school mean % white
dblack	float	%9.0g	INTENDED-NEXT school mean % black
dasian	float	%9.0g	INTENDED-NEXT school mean % Asian
dhisp	float	%9.0g	INTENDED-NEXT school mean % Hispanic
dabspcnt	float	%9.0g	INTENDED-NEXT school mean % days absent
dgpa	float	%9.0g	INTENDED-NEXT school mean GPA
dparbach	float	%9.0g	INTENDED-NEXT school mean % parents with Bachelor's or higher
dsecbehav	float	%9.0g	INTENDED-NEXT school mean citizenship grade

```
dgontime        float   %9.0g               INTENDED-NEXT school mean % graduating high school
on

                                              time
dtc_yrssvc      float   %9.0g               INTENDED-NEXT school mean of teacher var yrssvc
dtc_fullcrd     float   %9.0g               INTENDED-NEXT school mean of teacher var fullcrd
dtc_clad        float   %9.0g               INTENDED-NEXT school mean of teacher var clad
dtc_bclad       float   %9.0g               INTENDED-NEXT school mean of teacher var bclad
dtc_masters     float   %9.0g               INTENDED-NEXT school mean of teacher var masters
dtc_female      float   %9.0g               INTENDED-NEXT school mean of teacher var female
dtc_white       float   %9.0g               INTENDED-NEXT school mean of teacher var white
dtc_black       float   %9.0g               INTENDED-NEXT school mean of teacher var black
dtc_hisp        float   %9.0g               INTENDED-NEXT school mean of teacher var hisp
dtc_asian       float   %9.0g               INTENDED-NEXT school mean of teacher var asian
dtc_other       float   %9.0g               INTENDED-NEXT school mean of teacher var other
valaddr         float   %9.0g               School value added, reading CST
slmeanr         float   %9.0g               School mean reading CST Z score
slwhite         float   %9.0g               School mean % white
slblack         float   %9.0g               School mean % black
slasian         float   %9.0g               School mean % Asian
slhisp          float   %9.0g               School mean % Hispanic
slabspcnt       float   %9.0g               School mean % days absent
slparbach       float   %9.0g               School mean % parents with Bachelor's or higher
slgontime       float   %9.0g               School mean % graduating high school on time
slontrack9      float   %9.0g               School mean % on track in grade 9
tc_yrssvc       double  %10.0g              Mean of teacher variable yrssvc by school, 04-13
tc_fullcrd      double  %10.0g              Mean of teacher variable fullcrd by school, 04-13
tc_clad         double  %10.0g              Mean of teacher variable clad by school, 04-13
tc_bclad        double  %10.0g              Mean of teacher variable bclad by school, 04-13
tc_masters      double  %10.0g              Mean of teacher variable masters by school, 04-13
tc_female       double  %10.0g              Mean of teacher variable female by school, 04-13
tc_white        double  %10.0g              Mean of teacher variable white by school, 04-13
tc_black        double  %10.0g              Mean of teacher variable black by school, 04-13
tc_hisp         double  %10.0g              Mean of teacher variable hisp by school, 04-13
tc_asian        double  %10.0g              Mean of teacher variable asian by school, 04-13
tc_other        double  %10.0g              Mean of teacher variable other by school, 04-13
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Sorted by: lottid

. summarize

Variable	Obs	Mean	Std. dev.	Min	Max
studentid	1,662,874	5.00e+08	2.72e+08	4344	1.00e+09
lottid	1,662,874	860221.9	643410.4	1031	3449112
program	0				
lwinner	1,662,874	.4965836	.4999885	0	1
trulytrue	1,662,874	.1034306	.3045205	0	1
wonwent	1,662,874	.2158444	.411407	0	1
wondecl	1,662,874	.2807393	.4493605	0	1
yearsp	1,639,079	2007.99	4.084354	2002	2021
appyearsp	1,662,874	2007.684	3.228667	2002	2014
timesince	1,639,079	1.261684	3.817057	-11	17
wontime	1,639,079	.7885843	2.798023	-11	16
bas_zela	1,662,874	-.009455	.8265816	-3.839286	4.811321
bas_zmath	1,662,874	-.0044164	.6709045	-2.986667	5.507463
bas_misszm~h	1,662,874	.5044008	.4999808	0	1
bas_misszela	1,662,874	.2181536	.4129924	0	1
bas_black_0	1,662,874	.1901858	.3924478	0	1
bas_hispan~0	1,662,874	.471278	.4991745	0	1
bas_asian_0	1,662,874	.1090329	.3116806	0	1
bas_ethoth~0	1,662,874	.0061851	.0784017	0	1
bas_female_0	1,662,874	.4712702	.4991741	0	1
bas_el_0	1,662,874	.2238769	.4168406	0	1
bas_speced_0	1,662,874	.1091303	.3118028	0	1
bas_missfe~e	1,662,874	.090806	.2873332	0	1

bas_missel	1,662,874	.090806	.2873332	0	1
bas_misssp~d	1,662,874	.090806	.2873332	0	1
bas_misset~c	1,662,874	.090806	.2873332	0	1
grade_0	1,639,079	6.648065	3.41111	0	12
missgrade	1,639,079	.0055495	.0742877	0	1
dv_zmath	739,578	-.0392472	.93875	-3.647887	5.507463
dv_zela	1,190,909	.0088203	.9506371	-4.108696	4.851852
normprog	1,411,620	.9603555	.1951227	0	1
gradontime	1,206,045	.768109	.42204	0	1
abspcnt	1,505,233	5.226352	7.772574	0	100
persevere	134,810	2.631768	.5344489	1	3
respect	134,837	2.742086	.4553041	1	3
secbehavgpa	871,594	2.938168	.8484712	0	4
suspend	1,526,662	.0830944	.2760249	0	1
postsec2_4~1	1,496,563	.5201478	.4995941	0	1
nyrs_yr4	1,392,226	1.802964	1.658905	0	4
BS_LE5yrs	1,096,333	.1421958	.3492511	0	1
AS_LE5yrs	1,078,507	.0125192	.1111865	0	1
testedgrade	1,662,874	.774906	.4176444	0	1
testedgradem	1,662,874	.4757805	.4994132	0	1
ms	1,639,079	.2103645	.4075676	0	1
ch	1,639,079	.1178924	.3224808	0	1
vp	1,639,079	.1095359	.3123105	0	1
n_cum_ms	1,619,222	.4851466	1.234166	0	13
n_cum_vp	1,619,222	.3573729	1.150064	0	13
n_cum_ch	1,619,222	.3376467	1.121376	0	13
ivaladdr	1,646,396	.0186986	.059841	-.2095934	.2726336
ivaladdm	1,159,924	-.0020023	.0997063	-.2502891	.2835741

imeanr	1,647,107	.155736	.3551933	-.93695	.9603373
imeanm	1,165,358	.1235836	.3535806	-1.660883	.9906593
iwhite	1,647,107	.3188816	.1736829	0	.7859463
iblack	1,647,107	.1356051	.0890232	.0140102	.594858
iasian	1,647,107	.1392246	.0981159	.0029532	.6618216
ihisp	1,647,107	.3963673	.1552229	.0841408	.9642452
iabspcnt	1,647,107	4.936514	1.320272	0	22.68587
igpa	1,376,216	2.637244	.345303	1.16625	3.5
iparbach	1,647,107	.2606001	.1402615	.013355	.7080026
isecbehav	1,376,216	2.969507	.3219841	1	3.830405
igontime	1,647,107	.8131561	.0944643	0	.9697194
itc_yrssvc	1,633,768	14.67785	2.516231	2.809524	22.38133
itc_fullcrd	1,633,768	.9626258	.0139148	.8824153	1
itc_clad	1,633,768	.4846535	.1148698	0	.8338675
itc_bclad	1,633,768	.0630407	.1015373	0	.6034918
itc_masters	1,633,776	.6347046	.077818	.2223938	1
itc_female	1,633,768	.6714845	.1423562	.4406694	1
itc_white	1,633,776	.7144922	.1122282	0	.9229497
itc_black	1,633,776	.0502112	.057702	0	.5576869
itc_hisp	1,633,776	.1065122	.0952741	0	.7605531
itc_asian	1,633,776	.0523448	.0392468	0	.306735
itc_other	1,633,776	.0088913	.0162207	0	.0882929
xvaladdr	1,385,068	-.0354313	.047373	-.3878115	.6305904
xvaladdm	1,066,646	-.0354418	.0825275	-1.940799	.4144069
xmeanr	1,385,092	-.2971591	.3238136	-1.307753	1.197774
xmeanm	1,138,816	-.2733711	.2993457	-1.906865	.9906593
xwhite	1,385,093	.1197185	.1509056	0	.7859463
xblack	1,385,093	.169627	.1050374	0	.9299793
xasian	1,385,093	.1529036	.1260657	0	.6618216

xhisp	1,385,093	.5522038	.2031034	.0186722	.9660378
xabspcnt	1,385,093	6.215191	2.909354	0	28.82905
xgpa	1,146,504	2.294346	.3717939	1.135203	3.5
xparbach	1,385,093	.1209279	.093303	0	.7080026
xsecbehav	1,145,379	2.708512	.3650904	1	3.830405
xgontime	1,384,153	.6710702	.1466453	0	1
xtc_yrssvc	1,295,563	12.82947	3.440305	3.055556	24.06119
xtc_fullcrd	1,295,563	.9619755	.023437	.6333333	1
xtc_clad	1,295,563	.4643763	.1317035	0	.8571429
xtc_bclad	1,295,563	.1037869	.1237641	0	.65625
xtc_masters	1,297,678	.5909967	.0994126	.2223938	1
xtc_female	1,295,563	.6993461	.1368891	.4054497	1
xtc_white	1,297,678	.5956371	.1615365	0	.9229497
xtc_black	1,297,678	.0679647	.0592273	0	.7333333
xtc_hisp	1,297,678	.1471883	.1106715	0	.7605531
xtc_asian	1,297,678	.0740237	.0456844	0	.306735
xtc_other	1,297,678	.0067638	.0107283	0	.0882929
dvaladdr	1,374,170	.0551821	.0694706	-.6873081	.4324494
dvaladdm	985,668	.0353123	.1137404	-.5801118	1.917369
dmeanr	1,374,905	.4669535	.4223615	-1.495327	1.756143
dmeanm	991,301	.3719299	.3951316	-1.496964	2.107134
dwhite	1,374,906	.2068601	.2004196	-.7585559	.7814544
dblack	1,374,906	-.0371853	.1272856	-.8649924	.5765643
dasian	1,374,906	-.0115955	.1441211	-.6385232	.6497548
dhisp	1,374,906	-.1626216	.2351317	-.8604668	.8342919
dabspcnt	1,374,906	-1.323623	2.991564	-24.9082	19.33978
dgpa	1,045,197	.3644857	.4297025	-2.168749	2.178484
dparbach	1,374,906	.1450129	.1544623	-.6281914	.6883454

dsecbehav	1,044,471	.2795648	.4405939	-2.7	2.7
dgontime	1,373,969	.1446282	.1618738	-.8811973	.9449902
dtc_yrssvc	1,274,522	1.962681	3.926474	-13.8732	19.26739
dtc_fullcrd	1,274,522	.0013228	.0270686	-.0998118	.3527814
dtc_clad	1,274,522	.0294243	.1635272	-.7177318	.8338675
dtc_bclad	1,274,522	-.039012	.1489306	-.6240427	.6011603
dtc_masters	1,276,487	.0455744	.1241591	-.5305743	.6432014
dtc_female	1,274,522	-.0118001	.1122846	-.5408349	.4621251
dtc_white	1,276,487	.121038	.1942352	-.8386473	.8877547
dtc_black	1,276,487	-.0177658	.0802521	-.6550066	.5576869
dtc_hisp	1,276,487	-.0405528	.1381009	-.7555026	.7605531
dtc_asian	1,276,487	-.020788	.0601475	-.306735	.3000684
dtc_other	1,276,487	.0019628	.0194812	-.0882929	.0882929
valaddr	1,625,085	-.0075602	.0715618	-.6000541	.6305904
slmeanr	1,625,637	-.069637	.3984082	-1.307753	.9603373
slwhite	1,637,158	.2204501	.1873643	0	.7859463
slblack	1,637,158	.1513996	.1045652	.0140102	1
slasian	1,637,158	.1368572	.1122557	0	.6618216
slhisp	1,637,158	.4837635	.2060139	0	.9660378
slabspcnt	1,637,158	5.059954	1.947888	0	28.82905
slparbach	1,637,158	.1785803	.1372112	0	.7080026
slgontime	1,635,628	.7356459	.1563187	0	1
slontrack9	1,636,857	.6141844	.1630865	0	1
tc_yrssvc	1,548,238	13.72414	3.38827	2	31.625
tc_fullcrd	1,548,238	.9590394	.032769	.6333333	1
tc_clad	1,548,238	.4639575	.1329154	0	.8571429
tc_bclad	1,548,238	.0978219	.1353192	0	.65625
tc_masters	1,598,220	.6356301	.1131589	.2223938	1

tc_female	1,548,238	.6960081	.1528972	.375	1
tc_white	1,598,220	.6141534	.196235	0	.9229497
tc_black	1,598,220	.0569871	.0649054	0	.7333333
tc_hisp	1,598,220	.1357046	.1254946	0	.7605531
tc_asian	1,598,220	.0581513	.0453421	0	.306735
tc_other	1,598,220	.0065595	.0124767	0	.375

Baseline Student Characteristics

Although the true lotteries, where there are both lottery winners and losers in a given lottery, represent a student-level random assignment experiment, even in these cases precision of estimates can be improved by controlling for baseline characteristics of the student (taken from the school year in which he or she applied to the given school of choice). To make it straightforward to include these baseline variables, they are attached to every observation for a specific student application to a given school of choice. These variables, including dummies to indicate where missing values of a baseline characteristic were set to 0, all start with the prefix "bas".

Examples of Regression Commands to Replicate the Intent to Treat Estimates

The following commands will replicate, in Stata, the intent to treat estimates of the impact of winning a true lottery, on the outcomes in Tables 9, 10 and 11 of the draft paper. These commands are for the "pooled" models that combine all three school choice programs (program = M, V, P). To estimate impacts for a given program one would restrict the sample further, for example to the magnet sample using if program=="M". Note that in the current draft of the paper we pre-committed to modeling test scores, which are not effectively restricted with upper and lower bounds, to increase or decrease linearly with the number of years since the school choice lottery. Thus the regressor of interest is wontime which is the product of lwinner (lottery winner) and timesince, the maximum number of years the student could have been in the given choice program between the year for which the student applied and the year in which the test score is observed. For all other outcomes, we assume that there is a one-time (level) effect of winning the lottery, and so the regressor of interest is lwinner, which =1 if the student won the lottery and 0 if not. Another distinction of the two test score models, referred to above, is that one must restrict the sample to grades that should have been tested in the given year (using testedgrade and testedgradem).

Common features across all of the models is that the if statement restricts to true lotteries (trulytrue==1) and chooses relevant school year(s) in which to observe the outcome (yearsp>=appyearsp if the outcome should be observable in all school years after the lottery) and one observation only for once-only outcomes (yearsp==appyearsp). Other common features are to use fixed effects for each lottery (absorb(lottid)) and to cluster the standard errors by student id because students can be observed in multiple years for a given lottery for outcomes like the percent of days absent, and also because a student may apply to more than one true lottery during his or her time in the district.

Below, the two local macros that are created before the regression commands include the list of baseline regressors and missing indicators, and a set of dummy variables for the grade at baseline, plus a missing grading indicator, respectively.

```
/* macro for background regressors measured in the school year in which the lottery occurred*/

local rhs "bas_zela bas_zmath bas_misszmath bas_misszela bas_black_0 bas_hispanic_0  bas_asian_0 bas_ethothr_0 bas_female_0 bas_el_0 bas_speced_0 bas_missfemale bas_missel bas_missspeced bas_missethnic"

/* macro creating set of dummy variables for the grade the student was enrolled in in the school year in which the lottery occurred, plus a missing indicator for baseline grade level. Relevant for outcomes observed during the school years. */

local grr "i.grade_0 missgrade"


/* Replicate the pooled MVC regressions */

areg dv_zmath wontime `rhs'  `grr' if testedgradem==1 & yearsp>=appyearsp & trulytrue==1, absorb(lottid) vce(cluster studentid)

areg dv_zela wontime  `rhs'  `grr' if testedgrade==1 & yearsp>=appyearsp& trulytrue==1,  absorb(lottid) vce(cluster studentid)

areg normprog lwinner `rhs' `grr' if yearsp>=appyearsp & trulytrue==1,  absorb(lottid) vce(cluster studentid)

areg gradontime lwinner `rhs' `grr' if yearsp==appyearsp & trulytrue==1,  absorb(lottid) vce(cluster studentid)

areg abspcnt lwinner `rhs' `grr' if yearsp>=appyearsp & trulytrue==1,  absorb(lottid) vce(cluster studentid)

areg persevere lwinner `rhs'  `grr' if yearsp>=appyearsp & trulytrue==1,  absorb(lottid) vce(cluster studentid)

areg respect lwinner `rhs'  `grr' if yearsp>=appyearsp & trulytrue==1,  absorb(lottid) vce(cluster studentid)

 areg secbehavgpa lwinner `rhs' `grr' if yearsp>=appyearsp & trulytrue==1,  absorb(lottid) vce(cluster studentid)

 areg suspend lwinner `rhs' `grr' if yearsp>=appyearsp & trulytrue==1 ,  absorb(lottid) vce(cluster studentid)

  areg postsec2_4yr1 lwinner `rhs' if yearsp==appyearsp & trulytrue==1,  absorb(lottid) vce(cluster studentid)

 areg nyrs_yr4 lwinner `rhs' if yearsp==appyearsp & trulytrue==1,  absorb(lottid) vce(cluster studentid)
```

areg BS_LE5yrs lwinner `rhs' if yearsp==appyearsp & trulytrue==1, absorb(lottid) vce(cluster studentid)

areg AS_LE5yrs lwinner `rhs' if yearsp==appyearsp & trulytrue==1, absorb(lottid) vce(cluster studentid)

Examples of Regressions to Replicate the 2SLS Estimates

Below are examples of estimates of the impact of treatment on the treated, for the pooled model that estimates the impact of having been enrolled in any of the three types of school choice. For test scores, where the main specification was an effect linearly increasing or decreasing in the number of years enrolled in school choice, the treatment variable is set to the sum of the number of years enrolled in the three types of school choice. The instrumental variable is therefore wontime, which equals 0 if the student did not win the lottery and equals the number of years since the lottery took place for lottery winners.

For the dependent variables, other than test scores, where we hypothesized a one-time effect, the endogenous treatment variable is an indicator for whether the student was enrolled in a school choice program the year after the lottery (replace treated= ms==1 | vp==1 | ch==1) and the relevant instrumental variable is an indicator for whether the student won the relevant school choice lottery (lwinner).

Not shown are examples of 2SLS estimates of the impact of a specific type of school choice. For example, for the impact of treatment on the treated for magnet schools and test scores, the relevant endogenous treatment indicator is n_cum_ms and wontime is the relevant instrument. For outcomes other than test scores, the relevant endogenous treatment variable and instrument are an indicator for ms==1 and lwinner, respectively.

```
/* Examples of 2SLS estimates. Note that for test scores main model assumed linear growth as a function of years since
lottery, while for other outcomes assumed a constant shift. */
/* 2SLS starting with cumulative linear impact See choice_2sls_cumulative*/
preserve
keep if trulytrue==1
gen treated=n_cum_ms  + n_cum_vp + n_cum_ch
ivregress 2sls dv_zmath `rhs'  i.lottid `grr' (treated=wontime)  if testedgradem==1 & yearsp>=appyearsp & trulytrue==1, ///
 first  vce(cluster studentid)
ivregress 2sls dv_zela  i.lottid `rhs'  `grr' (treated=wontime)  if testedgrade==1 & yearsp>=appyearsp  & trulytrue==1, ///
 first  vce(cluster studentid)
/* For other outcomes the treatment variable is whether in a choice program in the given year. Below replicates
results for normal grade progression and enrollment in a postsecondary institution 1 year after high school graduation.
See choice_2sls.do */
replace treated= ms==1 | vp==1 | ch==1
ivregress 2sls normprog `rhs'  i.lottid `grr' (treated=lwinner)  if yearsp>=appyearsp & trulytrue==1,  first  vce(cluster studentid)
```

ivregress 2sls postsec2_4yr1 `rhs' i.lottid (treated=lwinner) if yearsp==appyearsp & trulytrue==1, first vce(cluster studentid)

Contrasting the Characteristics of the Intended School of Choice and the Student's Default Next School

The paper compares and contrasts the characteristics of the school to which the student has applied (the "intended" school) and what the district determined to be the student's default school to attend in the following school year (the "next" school). This latter school would be the school in which the student is already enrolled if the school includes the grade the student is expected to be in the following year. Otherwise the district inferred the default next school using articulate patterns for those graduating from an elementary to a middle school, or a middle school to a high school.

The list of characteristics of the "intended" school, to which the student applied, have a prefix of i:

ivaladdr ivaladdm imeanr imeanm iwhite iblack iasian ihisp iabspcnt igpa iparbach isecbehav igontime

The corresponding characteristics of the default "next" school if the student remained in their current school or articulated to the next school in the same feeder pattern if they were about to grade out of the current school have the same names as the variables above, but are prefixed by x rather than i:

xvaladdr xvaladdm xmeanr xmeanm xwhite xblack xasian xhisp xabspcnt xgpa xparbach xsecbehav xgontime

Finally, the differences between the intended school applied to and the default next school are prefixed with d:

dvaladdr dvaladdm dmeanr dmeanm dwhite dblack dasian dhisp dabspcnt dgpa dparbach dsecbehav dgontime

Detailed Codebook with Statistics for Each Variable

The following lists detailed characteristics of each variable. Here we have two notes on the variables:

1) The variable labels for persevere and respect state that a missing value is set to 0, but for this shared dataset we set missing to truly missing (.) to reduce chances of misinterpretation.
2) The minimum values of timesince and wontime (which equals the dummy for winning the lottery times timesince) are negative. This is because ALL years of a student's data are joined to each of his or her school choice applications, and years before the school choice application made will have timesince < 0. But if one is modelling annual outcomes like percent of days absent, timesince will be strictly greater than 0 as long as one limits the data to years including or after the year for which the student applied (e.g. if yearsp>=appyearsp). Similarly, wontime will be 0 or strictly positive for that same subsample. (It will always = 0 if the student lost the lottery.)

```
Codebook from prep_data_share.do

-------------------------------------------------------------------------------------------------
```

```
studentid                                                                    Student id number (scrambled)
-------------------------------------------------------------------------------------------------------------

                  Type: Numeric (long)

                 Range: [4344,1.000e+09]             Units: 1
         Unique values: 82,741                    Missing .: 0/1,662,874

                  Mean: 5.0e+08
             Std. dev.: 2.7e+08

           Percentiles:     10%       25%       50%       75%       90%
                         1.2e+08   2.8e+08   4.9e+08   7.1e+08   8.9e+08

-------------------------------------------------------------------------------------------------------------
lottid                             numeric lottery id N.YY.Z N=_n YY=fall of year Z=1 2 3 for C M V
-------------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [1031,3449112]               Units: 1
         Unique values: 29,564                    Missing .: 0/1,662,874

                  Mean: 860222
             Std. dev.: 643410

           Percentiles:    10%       25%       50%       75%       90%
                         214073    430063    733071    967131   2.0e+06

-------------------------------------------------------------------------------------------------------------
program               School choice program type, M=magnet, V=VEEP (busing), C=Choice (open enroll)
-------------------------------------------------------------------------------------------------------------

                  Type: String (str1)

         Unique values: 3                         Missing "": 0/1,662,874

            Tabulation: Freq.  Value
                        528,505  "C"
                        712,757  "M"
                        421,612  "V"

-------------------------------------------------------------------------------------------------------------
lwinner                                                                                    lottery winner
-------------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,1]                        Units: 1
         Unique values: 2                         Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                        837,118  0
                        825,756  1

-------------------------------------------------------------------------------------------------------------
trulytrue                             Lottery has both winners and losers, and in correct sequence
-------------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,1]                        Units: 1
         Unique values: 2                         Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                      1,490,882  0
                        171,992  1

-------------------------------------------------------------------------------------------------------------
wonwent                                                                          intended and ever went
-------------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,1]                        Units: 1
         Unique values: 2                         Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                      1,303,952  0
                        358,922  1
```

```
-------------------------------------------------------------------------------------------------
wondecl                                                                    intended but never went
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,1]                         Units: 1
         Unique values: 2                         Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                    1,196,040  0
                      466,834  1

-------------------------------------------------------------------------------------------------
yearsp                                                Year (number) in which Spring semester occurred
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [2002,2021]                   Units: 1
         Unique values: 20                        Missing .: 23,795/1,662,874

                  Mean: 2007.99
             Std. dev.: 4.08435

           Percentiles:     10%       25%       50%       75%       90%
                           2003      2005      2008      2011      2014

-------------------------------------------------------------------------------------------------
appyearsp                                             Spring of school year for which student applied
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [2002,2014]                   Units: 1
         Unique values: 12                        Missing .: 0/1,662,874

                  Mean: 2007.68
             Std. dev.: 3.22867

           Percentiles:     10%       25%       50%       75%       90%
                           2004      2005      2007      2009      2013

-------------------------------------------------------------------------------------------------
SEE NOTES AT TOP OF THIS SECTION FOR EXPLANATION OF NEGATIVE VALUES OF TIMESINCE AND WONTIME.
timesince                                  Number of Years Potentially in Choice after Choice Appl'n
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-11,17]                      Units: 1
         Unique values: 29                        Missing .: 23,795/1,662,874

                  Mean: 1.26168
             Std. dev.: 3.81706

           Percentiles:     10%       25%       50%       75%       90%
                             -4        -1         1         4         6

-------------------------------------------------------------------------------------------------
SEE NOTES AT TOP OF THIS SECTION FOR EXPLANATION OF NEGATIVE VALUES OF TIMESINCE AND WONTIME.

wontime                                       lwinner * # of years potentially in choice since lottery
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-11,16]                      Units: 1
         Unique values: 28                        Missing .: 23,795/1,662,874

                  Mean: .788584
             Std. dev.: 2.79802

           Percentiles:     10%       25%       50%       75%       90%
                             -2         0         0         1         5

-------------------------------------------------------------------------------------------------
bas_zela               Z score for reading miss set =0) CST/SBAC stdized using state data, BASE Yr
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)
```

```
                Range: [-3.8392856,4.8113208]        Units: 1.000e-09
         Unique values: 3,357                    Missing .: 0/1,662,874

                 Mean: -.009455
            Std. dev.:  .826582

           Percentiles:      10%       25%       50%       75%       90%
                        -1.11111  -.482143         0   .433962   1.05357

-------------------------------------------------------------------------------------------------
bas_zmath                    Z score math (miss set =0) CST/SBAC stdized using state data, BASE Yr
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [-2.9866667,5.5074625]        Units: 1.000e-10
         Unique values: 2,985                    Missing .: 0/1,662,874

                 Mean: -.004416
            Std. dev.:  .670904

           Percentiles:      10%       25%       50%       75%       90%
                         -.84058  -.082353         0         0   .761905

-------------------------------------------------------------------------------------------------
bas_misszmath                                  Indicator for MISSING Z score for math, BASE Yr
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                        824,119  0
                        838,755  1

-------------------------------------------------------------------------------------------------
bas_misszela                                    Indicator for MISSING Z score for ELA, BASE Yr
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                      1,300,112  0
                        362,762  1

-------------------------------------------------------------------------------------------------
bas_black_0                                                          African-American, BASE Yr
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                      1,346,619  0
                        316,255  1

-------------------------------------------------------------------------------------------------
bas_hispanic_0                                                              Hispanic, BASE Yr
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                        879,198  0
                        783,676  1

-------------------------------------------------------------------------------------------------
bas_asian_0                                                 Asian or Pacific Islander, BASE Yr
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)
```

```
                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                    1,481,566  0
                      181,308  1

-------------------------------------------------------------------------------------------------------
bas_ethothr_0                                    Ethnicity other than Wh, Bl, Asn, Hisp, BASE Yr
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                    1,652,589  0
                       10,285  1

-------------------------------------------------------------------------------------------------------
bas_female_0                                                Female with 0 for miss values, BASE Yr
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                      879,211  0
                      783,663  1

-------------------------------------------------------------------------------------------------------
bas_el_0                                                  EL status with 0 for miss values, BASE Yr
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                    1,290,595  0
                      372,279  1

-------------------------------------------------------------------------------------------------------
bas_speced_0                                          Special Ed with 0 for miss values, BASE Yr
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                    1,481,404  0
                      181,470  1

-------------------------------------------------------------------------------------------------------
bas_missfemale                                              Indicator for female miss, BASE Yr
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                    1,511,875  0
                      150,999  1

-------------------------------------------------------------------------------------------------------
bas_missel                                                    Indicator for EL miss, BASE Yr
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,662,874
```

```
            Tabulation: Freq.  Value
                    1,511,875  0
                      150,999  1

-------------------------------------------------------------------------------------------------------
bas_missspeced                                                  Indicator for speced miss, BASE Yr
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,1]                         Units: 1
         Unique values: 2                         Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                    1,511,875  0
                      150,999  1

-------------------------------------------------------------------------------------------------------
bas_missethnic                                                    Ethnic variable missing, BASE Yr
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,1]                         Units: 1
         Unique values: 2                         Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                    1,511,875  0
                      150,999  1

-------------------------------------------------------------------------------------------------------
grade_0                                                           Grade with 0 for missing values
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,12]                        Units: 1
         Unique values: 13                        Missing .: 23,795/1,662,874

                  Mean: 6.64806
             Std. dev.: 3.41111

           Percentiles:     10%       25%       50%       75%       90%
                              2         4         7         9        11

-------------------------------------------------------------------------------------------------------
missgrade                                                       Indicator for missing grade level
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,1]                         Units: 1
         Unique values: 2                         Missing .: 23,795/1,662,874

            Tabulation: Freq.  Value
                    1,629,983  0
                        9,096  1
                       23,795  .

-------------------------------------------------------------------------------------------------------
dv_zmath                                 Z score math (miss set =.) CST/SBAC stdized using state data
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-3.6478872,5.5074625]        Units: 1.000e-11
         Unique values: 11,663                    Missing .: 923,296/1,662,874

                  Mean: -.039247
             Std. dev.:   .93875

           Percentiles:      10%       25%       50%       75%       90%
                        -1.17742  -.724638  -.123288    .55814   1.20513

-------------------------------------------------------------------------------------------------------
dv_zela                            Z score for reading (miss set =.) CST/SBAC stdized using state data
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)
```

```
                Range: [-4.1086955,4.8518519]        Units: 1.000e-10
         Unique values: 10,639                       Missing .: 471,965/1,662,874

                  Mean:   .00882
             Std. dev.:  .950637

           Percentiles:      10%       25%       50%       75%       90%
                        -1.23636  -.677966         0    .66129   1.23077
```

---

normprog — 1=advanced >=1 grades this year, 0 otherwise

```
                Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                            Missing .: 251,254/1,662,874

            Tabulation: Freq.  Value
                        55,963  0
                     1,355,657  1
                       251,254  .
```

---

gradontime — Graduated by expected year, =0 if still in school or dropout

---

```
                Type: Numeric (float)

                Range: [0,1]                         Units: 1
         Unique values: 2                            Missing .: 456,829/1,662,874

            Tabulation: Freq.  Value
                       279,671  0
                       926,374  1
                       456,829  .
```

---

absp cnt — Pct of time absent

```
                Type: Numeric (double)

                Range: [0,100]                       Units: .01
         Unique values: 4,086                        Missing .: 157,641/1,662,874

                  Mean: 5.22635
             Std. dev.: 7.77257

           Percentiles:     10%       25%       50%       75%       90%
                            .56      1.15      3.33      6.54     11.11
```

---

persevere — student takes responsibility, perseveres (pre-2015: completes work) 1-3 scale, 0

```
                Type: Numeric (float)

                Range: [1,3]                         Units: .001
         Unique values: 11                           Missing .: 1,528,064/1,662,874

                  Mean: 2.63177
             Std. dev.: .534449

           Percentiles:     10%       25%       50%       75%       90%
                              2     2.333         3         3         3
```

---

respect — student shows respect 1-3 scale, 0= missing

```
                Type: Numeric (float)

                Range: [1,3]                         Units: .001
         Unique values: 11                           Missing .: 1,528,037/1,662,874

                  Mean: 2.74209
             Std. dev.: .455304

           Percentiles:     10%       25%       50%       75%       90%
                              2     2.667         3         3         3
```

```
-------------------------------------------------------------------------------------------------------
secbehavgpa                                                                              HS Behav GPA
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,4]                          Units: .01
         Unique values: 341                        Missing .: 791,280/1,662,874

                  Mean: 2.93817
             Std. dev.: .848471

           Percentiles:     10%       25%       50%       75%       90%
                           1.73      2.42       3.1      3.63       3.9

-------------------------------------------------------------------------------------------------------
suspend            1= Suspended in current year, 0=not suspended in current year. Missing in 0102 a
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,1]                          Units: 1
         Unique values: 2                          Missing .: 136,212/1,662,874

            Tabulation: Freq.  Value
                    1,399,805  0
                      126,857  1
                      136,212  .

-------------------------------------------------------------------------------------------------------
postsec2_4yr1                                                          Postsec 2 or 4 enroll in yr1
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (byte)

                 Range: [0,1]                          Units: 1
         Unique values: 2                          Missing .: 166,311/1,662,874

            Tabulation: Freq.  Value
                      718,129  0
                      778,434  1
                      166,311  .

-------------------------------------------------------------------------------------------------------
nyrs_yr4                                                               Num yrs enroll 2 or 4 in yr4
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (byte)

                 Range: [0,4]                          Units: 1
         Unique values: 5                          Missing .: 270,648/1,662,874

            Tabulation: Freq.  Value
                      513,099  0
                      167,629  1
                      164,926  2
                      173,636  3
                      372,936  4
                      270,648  .

-------------------------------------------------------------------------------------------------------
BS_LE5yrs                          Bachelor’s degree obtained within 5 years of hs graduation (0/1
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (byte)

                 Range: [0,1]                          Units: 1
         Unique values: 2                          Missing .: 566,541/1,662,874

            Tabulation: Freq.  Value
                      940,439  0
                      155,894  1
                      566,541  .

-------------------------------------------------------------------------------------------------------
AS_LE5yrs                        Associate’s degree obtained within 5 years of hs graduation (0/1)
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (byte)
```

```
                Range: [0,1]                        Units: 1
         Unique values: 2                           Missing .: 584,367/1,662,874

            Tabulation: Freq.  Value
                    1,065,005  0
                       13,502  1
                      584,367  .

-------------------------------------------------------------------------------------------------
testedgrade                            Indicator for whether student was in tested grade for READING
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                Range: [0,1]                        Units: 1
         Unique values: 2                           Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                      374,303  0
                    1,288,571  1

-------------------------------------------------------------------------------------------------
testedgradem                             Indicator for whether student was in tested grade for MATH
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                Range: [0,1]                        Units: 1
         Unique values: 2                           Missing .: 0/1,662,874

            Tabulation: Freq.  Value
                      871,711  0
                      791,163  1

-------------------------------------------------------------------------------------------------
ms                                                                  In Magnet School in current year
-------------------------------------------------------------------------------------------------

                  Type: Numeric (byte)

                Range: [0,1]                        Units: 1
         Unique values: 2                           Missing .: 23,795/1,662,874

            Tabulation: Freq.  Value
                    1,294,275  0
                      344,804  1
                       23,795  .

-------------------------------------------------------------------------------------------------
ch                                                                  In Choice program in current year
-------------------------------------------------------------------------------------------------

                  Type: Numeric (byte)

                Range: [0,1]                        Units: 1
         Unique values: 2                           Missing .: 23,795/1,662,874

            Tabulation: Freq.  Value
                    1,445,844  0
                      193,235  1
                       23,795  .

-------------------------------------------------------------------------------------------------
vp                                                                   In VEEP program in current year
-------------------------------------------------------------------------------------------------

                  Type: Numeric (byte)

                Range: [0,1]                        Units: 1
         Unique values: 2                           Missing .: 23,795/1,662,874

            Tabulation: Freq.  Value
                    1,459,541  0
                      179,538  1
                       23,795  .

-------------------------------------------------------------------------------------------------
n_cum_ms            Cumulative # years in magnet from given lottery (any type) year to current year
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)
```

```
                Range: [0,13]                       Units: 1
         Unique values: 14                          Missing .: 43,652/1,662,874

                 Mean: .485147
            Std. dev.: 1.23417

           Percentiles:     10%       25%       50%       75%       90%
                              0         0         0         0         2
```

```
n_cum_vp              Cumulative # years in VEEP from given lottery (any type) year to current year
```

```
                 Type: Numeric (float)

                Range: [0,13]                       Units: 1
         Unique values: 14                          Missing .: 43,652/1,662,874

                 Mean: .357373
            Std. dev.: 1.15006

           Percentiles:     10%       25%       50%       75%       90%
                              0         0         0         0         1
```

```
n_cum_ch            Cumulative # years in Choice from given lottery (any type) year to current year
```

```
                 Type: Numeric (float)

                Range: [0,13]                       Units: 1
         Unique values: 14                          Missing .: 43,652/1,662,874

                 Mean: .337647
            Std. dev.: 1.12138

           Percentiles:     10%       25%       50%       75%       90%
                              0         0         0         0         1
```

```
ivaladdr                                                  Intended school value added, reading CST
```

```
                 Type: Numeric (float)

                Range: [-.20959342,.27263364]       Units: 1.000e-11
         Unique values: 197                         Missing .: 16,478/1,662,874

                 Mean:  .018699
            Std. dev.:  .059841

           Percentiles:      10%       25%       50%       75%       90%
                        -.047264  -.024911   .008693   .059407   .080684
```

```
ivaladdm                                                    Intended school value aded, math CST
```

```
                 Type: Numeric (float)

                Range: [-.25028914,.2835741]        Units: 1.000e-10
         Unique values: 164                         Missing .: 502,950/1,662,874

                 Mean: -.002002
            Std. dev.:  .099706

           Percentiles:      10%       25%       50%       75%       90%
                        -.175415  -.078186   .021932   .070153   .116424
```

```
imeanr                                                  Intended school mean reading CST Z score
```

```
                 Type: Numeric (float)

                Range: [-.93694997,.96033734]       Units: 1.000e-11
         Unique values: 198                         Missing .: 15,767/1,662,874

                 Mean:  .155736
            Std. dev.:  .355193
```

```
           Percentiles:      10%       25%       50%       75%       90%
                          -.283802   -.08578   .148691   .378711   .653893

-------------------------------------------------------------------------------------------------------
imeanm                                                    Intended school mean math CST Z score
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-1.6608834,.9906593]         Units: 1.000e-10
         Unique values: 167                       Missing .: 497,516/1,662,874

                  Mean:  .123584
             Std. dev.:  .353581

           Percentiles:      10%       25%       50%       75%       90%
                          -.220486  -.122404   .003425   .344874   .685851

-------------------------------------------------------------------------------------------------------
iwhite                                                          Intended school mean % white
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,.78594631]                 Units: 1.000e-10
         Unique values: 198                       Missing .: 15,767/1,662,874

                  Mean: .318882
             Std. dev.: .173683

           Percentiles:     10%       25%       50%       75%       90%
                          .078899    .20827   .266621   .441371   .563501

-------------------------------------------------------------------------------------------------------
iblack                                                          Intended school mean % black
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [.01401015,.59485799]         Units: 1.000e-09
         Unique values: 198                       Missing .: 15,767/1,662,874

                  Mean: .135605
             Std. dev.: .089023

           Percentiles:     10%       25%       50%       75%       90%
                          .038228    .07316   .128823      .194   .233237

-------------------------------------------------------------------------------------------------------
iasian                                                          Intended school mean % Asian
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [.00295324,.6618216]          Units: 1.000e-10
         Unique values: 198                       Missing .: 15,767/1,662,874

                  Mean: .139225
             Std. dev.: .098116

           Percentiles:     10%       25%       50%       75%       90%
                          .046316   .077058   .110948   .187242   .255506

-------------------------------------------------------------------------------------------------------
ihisp                                                          Intended school mean % Hispanic
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [.08414079,.9642452]          Units: 1.000e-08
         Unique values: 198                       Missing .: 15,767/1,662,874

                  Mean: .396367
             Std. dev.: .155223

           Percentiles:     10%       25%       50%       75%       90%
                          .204905   .311205   .382633   .470201   .601069

-------------------------------------------------------------------------------------------------------
iabspcnt                                                 Intended school mean % days absent
```

```
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,22.685867]                 Units: 1.000e-08
         Unique values: 196                       Missing .: 15,767/1,662,874

                  Mean: 4.93651
             Std. dev.: 1.32027

           Percentiles:     10%       25%       50%       75%       90%
                         3.83121   4.08915   4.76016   5.53719   6.53055

-------------------------------------------------------------------------------------------------
igpa                                                                  Intended school mean GPA
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [1.1662498,3.5]               Units: 1.000e-07
         Unique values: 117                       Missing .: 286,658/1,662,874

                  Mean: 2.63724
             Std. dev.: .345303

           Percentiles:     10%       25%       50%       75%       90%
                         2.23912   2.45862   2.66454   2.86938    2.9915

-------------------------------------------------------------------------------------------------
iparbach                                  Intended school mean % parents with Bachelor's or higher
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [.01335505,.70800263]         Units: 1.000e-09
         Unique values: 198                       Missing .: 15,767/1,662,874

                  Mean:   .2606
             Std. dev.: .140261

           Percentiles:     10%       25%       50%       75%       90%
                          .09021   .157161   .236498   .331852   .459239

-------------------------------------------------------------------------------------------------
isecbehav                                                Intended school mean citizenship grade
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [1,3.8304045]                 Units: 1.000e-07
         Unique values: 118                       Missing .: 286,658/1,662,874

                  Mean: 2.96951
             Std. dev.: .321984

           Percentiles:     10%       25%       50%       75%       90%
                         2.60925   2.87633   2.97621   3.16893   3.33237

-------------------------------------------------------------------------------------------------
igontime                                      Intended school mean % graduating high school on time
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,.96971935]                 Units: 1.000e-08
         Unique values: 196                       Missing .: 15,767/1,662,874

                  Mean: .813156
             Std. dev.: .094464

           Percentiles:     10%       25%       50%       75%       90%
                          .70348   .766699   .827065   .890779   .904888

-------------------------------------------------------------------------------------------------
itc_yrssvc                                       Intended school mean of teacher variable yrssvc
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [2.8095238,22.381327]         Units: 1.000e-08
         Unique values: 191                       Missing .: 29,106/1,662,874
```

```
                Mean: 14.6778
           Std. dev.: 2.51623

          Percentiles:     10%       25%       50%       75%       90%
                        11.6587   12.8798   14.7321   16.3349    18.268
```

```
itc_fullcrd                                  Intended school mean of teacher variable fullcrd
```

```
                Type: Numeric (double)

               Range: [.88241532,1]                 Units: 1.000e-09
        Unique values: 189                      Missing .: 29,106/1,662,874

                Mean: .962626
           Std. dev.: .013915

          Percentiles:     10%       25%       50%       75%       90%
                        .948016   .953082   .963446   .970955   .981438
```

```
itc_clad                                        Intended school mean of teacher variable clad
```

```
                Type: Numeric (double)

               Range: [0,.8338675]                  Units: 1.000e-10
        Unique values: 191                      Missing .: 29,106/1,662,874

                Mean: .484653
           Std. dev.:  .11487

          Percentiles:     10%       25%       50%       75%       90%
                        .359446   .405419   .487236   .553003    .61264
```

```
itc_bclad                                      Intended school mean of teacher variable bclad
```

```
                Type: Numeric (double)

               Range: [0,.60349182]                 Units: 1.000e-11
        Unique values: 176                      Missing .: 29,106/1,662,874

                Mean: .063041
           Std. dev.: .101537

          Percentiles:     10%       25%       50%       75%       90%
                        .005051   .019728   .035845   .059763    .10279
```

```
itc_masters                                  Intended school mean of teacher variable masters
```

```
                Type: Numeric (double)

               Range: [.22239382,1]                 Units: 1.000e-09
        Unique values: 192                      Missing .: 29,098/1,662,874

                Mean: .634705
           Std. dev.: .077818

          Percentiles:     10%       25%       50%       75%       90%
                          .5333   .575425   .628062   .682906   .746143
```

```
itc_female                                    Intended school mean of teacher variable female
```

```
                Type: Numeric (double)

               Range: [.44066943,1]                 Units: 1.000e-11
        Unique values: 190                      Missing .: 29,106/1,662,874

                Mean: .671485
           Std. dev.: .142356

          Percentiles:     10%       25%       50%       75%       90%
                        .490469   .554742   .630062   .771334   .886261
```

```
-------------------------------------------------------------------------------------------------
itc_white                                          Intended school mean of teacher variable white
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.92294974]                 Units: 1.000e-10
         Unique values: 192                       Missing .: 29,098/1,662,874

                  Mean: .714492
             Std. dev.: .112228

           Percentiles:     10%       25%       50%       75%       90%
                         .603179   .694717   .736196   .787993   .827651

-------------------------------------------------------------------------------------------------
itc_black                                          Intended school mean of teacher variable black
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.5576869]                  Units: 1.000e-12
         Unique values: 156                       Missing .: 29,098/1,662,874

                  Mean: .050211
             Std. dev.: .057702

           Percentiles:     10%       25%       50%       75%       90%
                         .002083   .016884   .033109   .063332     .1209

-------------------------------------------------------------------------------------------------
itc_hisp                                           Intended school mean of teacher variable hisp
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.76055307]                 Units: 1.000e-10
         Unique values: 190                       Missing .: 29,098/1,662,874

                  Mean: .106512
             Std. dev.: .095274

           Percentiles:     10%       25%       50%       75%       90%
                         .049769   .066172   .082265   .115724   .154511

-------------------------------------------------------------------------------------------------
itc_asian                                          Intended school mean of teacher variable asian
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.30673504]                 Units: 1.000e-10
         Unique values: 178                       Missing .: 29,098/1,662,874

                  Mean: .052345
             Std. dev.: .039247

           Percentiles:     10%       25%       50%       75%       90%
                         .006768   .023737   .043373   .074555   .112979

-------------------------------------------------------------------------------------------------
itc_other                                          Intended school mean of teacher variable other
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.08829287]                 Units: 1.000e-12
         Unique values: 78                        Missing .: 29,098/1,662,874

                  Mean: .008891
             Std. dev.: .016221

           Percentiles:     10%       25%       50%       75%       90%
                              0         0   .003472   .009663   .023007

-------------------------------------------------------------------------------------------------
xvaladdr                                                NEXT school value added, reading CST
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)
```

```
                Range: [-.38781154,.63059044]        Units: 1.000e-12
        Unique values: 252                       Missing .: 277,806/1,662,874

                 Mean: -.035431
            Std. dev.:  .047373

          Percentiles:      10%       25%       50%       75%       90%
                       -.088859  -.058771  -.047264  -.014799   .032431

-------------------------------------------------------------------------------------------------------
xvaladdm                                                          NEXT school value aded, math CST
-------------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [-1.9407988,.4144069]         Units: 1.000e-10
        Unique values: 202                       Missing .: 596,228/1,662,874

                 Mean: -.035442
            Std. dev.:  .082527

          Percentiles:      10%       25%       50%       75%       90%
                       -.142276  -.082701  -.036299   .032773   .064724

-------------------------------------------------------------------------------------------------------
xmeanr                                                      NEXT school mean reading CST Z score
-------------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [-1.3077527,1.1977744]        Units: 1.000e-11
        Unique values: 253                       Missing .: 277,782/1,662,874

                 Mean: -.297159
            Std. dev.:  .323814

          Percentiles:      10%       25%       50%       75%       90%
                       -.647375  -.541861  -.371245  -.183952   .203757

-------------------------------------------------------------------------------------------------------
xmeanm                                                      NEXT school mean math CST Z score
-------------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [-1.9068652,.9906593]         Units: 1.000e-10
        Unique values: 210                       Missing .: 524,058/1,662,874

                 Mean: -.273371
            Std. dev.:  .299346

          Percentiles:      10%       25%       50%       75%       90%
                       -.622358  -.420688  -.309804  -.139795   .142492

-------------------------------------------------------------------------------------------------------
xwhite                                                                  NEXT school mean % white
-------------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [0,.78594631]                 Units: 1.000e-10
        Unique values: 254                       Missing .: 277,781/1,662,874

                 Mean: .119718
            Std. dev.: .150906

          Percentiles:     10%       25%       50%       75%       90%
                       .013802   .024994   .040225   .155247   .342865

-------------------------------------------------------------------------------------------------------
xblack                                                                  NEXT school mean % black
-------------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [0,.92997927]                 Units: 1.000e-09
        Unique values: 254                       Missing .: 277,781/1,662,874

                 Mean: .169627
            Std. dev.: .105037
```

```
           Percentiles:     10%       25%       50%       75%       90%
                         .054626   .095466   .146468   .213555   .291354

-------------------------------------------------------------------------------------------------------
xasian                                                                          NEXT school mean % Asian
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,.6618216]                  Units: 1.000e-10
         Unique values: 252                       Missing .: 277,781/1,662,874

                  Mean: .152904
             Std. dev.: .126066

           Percentiles:     10%       25%       50%       75%       90%
                         .021691   .057005    .11464   .214223   .378473

-------------------------------------------------------------------------------------------------------
xhisp                                                                        NEXT school mean % Hispanic
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [.0186722,.96603775]          Units: 1.000e-08
         Unique values: 253                       Missing .: 277,781/1,662,874

                  Mean: .552204
             Std. dev.: .203103

           Percentiles:     10%       25%       50%       75%       90%
                         .306667   .373186   .544932   .706145   .838066

-------------------------------------------------------------------------------------------------------
xabspcnt                                                          NEXT school mean % days absent
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,28.829046]                 Units: 1.000e-08
         Unique values: 235                       Missing .: 277,781/1,662,874

                  Mean: 6.21519
             Std. dev.: 2.90935

           Percentiles:     10%       25%       50%       75%       90%
                         4.12121   4.89699   5.73029   6.55192   8.12889

-------------------------------------------------------------------------------------------------------
xgpa                                                                              NEXT school mean GPA
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [1.1352025,3.5]               Units: 1.000e-07
         Unique values: 162                       Missing .: 516,370/1,662,874

                  Mean: 2.29435
             Std. dev.: .371794

           Percentiles:     10%       25%       50%       75%       90%
                           1.83   2.05555   2.28176   2.53385   2.73465

-------------------------------------------------------------------------------------------------------
xparbach                                      NEXT school mean % parents with Bachelor's or higher
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,.70800263]                 Units: 1.000e-10
         Unique values: 253                       Missing .: 277,781/1,662,874

                  Mean: .120928
             Std. dev.: .093303

           Percentiles:     10%       25%       50%       75%       90%
                         .035297   .049582   .093727    .17039   .226866

-------------------------------------------------------------------------------------------------------
xsecbehav                                                  NEXT school mean citizenship grade
```

```
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [1,3.8304045]                 Units: 1.000e-07
         Unique values: 161                       Missing .: 517,495/1,662,874

                  Mean: 2.70851
             Std. dev.:  .36509

           Percentiles:     10%       25%       50%       75%       90%
                        2.13889   2.55282   2.80485   2.89716   3.06022

-------------------------------------------------------------------------------------------------
xgontime                                        NEXT school mean % graduating high school on time
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,1]                         Units: 1.000e-09
         Unique values: 244                       Missing .: 278,721/1,662,874

                  Mean:  .67107
             Std. dev.: .146645

           Percentiles:     10%       25%       50%       75%       90%
                        .539099   .608696   .659324   .770361    .85804

-------------------------------------------------------------------------------------------------
xtc_yrssvc                                       NEXT school mean of teacher variable yrssvc
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [3.0555556,24.06119]          Units: 1.000e-08
         Unique values: 229                       Missing .: 367,311/1,662,874

                  Mean: 12.8295
             Std. dev.: 3.44031

           Percentiles:     10%       25%       50%       75%       90%
                        7.64141   10.4238   12.7092   15.4744   16.8971

-------------------------------------------------------------------------------------------------
xtc_fullcrd                                       NEXT school mean of teacher variable fullcrd
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [.63333333,1]                 Units: 1.000e-09
         Unique values: 215                       Missing .: 367,311/1,662,874

                  Mean: .961976
             Std. dev.: .023437

           Percentiles:     10%       25%       50%       75%       90%
                        .941351   .957735   .967853   .975412   .982227

-------------------------------------------------------------------------------------------------
xtc_clad                                            NEXT school mean of teacher variable clad
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.85714286]                 Units: 1.000e-10
         Unique values: 227                       Missing .: 367,311/1,662,874

                  Mean: .464376
             Std. dev.: .131703

           Percentiles:     10%       25%       50%       75%       90%
                        .324934   .382256   .471991    .54301   .621147

-------------------------------------------------------------------------------------------------
xtc_bclad                                          NEXT school mean of teacher variable bclad
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.65625]                    Units: 1.000e-11
         Unique values: 189                       Missing .: 367,311/1,662,874
```

```
                Mean: .103787
           Std. dev.: .123764

          Percentiles:     10%       25%       50%       75%       90%
                        .014706   .032168   .055719    .10279   .261345

-------------------------------------------------------------------------------------------------
xtc_masters                                          NEXT school mean of teacher variable masters
-------------------------------------------------------------------------------------------------

                Type: Numeric (double)

               Range: [.22239382,1]                 Units: 1.000e-09
        Unique values: 227                      Missing .: 365,196/1,662,874

                Mean: .590997
           Std. dev.: .099413

          Percentiles:     10%       25%       50%       75%       90%
                        .488078     .5333   .578153   .644827   .732998

-------------------------------------------------------------------------------------------------
xtc_female                                            NEXT school mean of teacher variable female
-------------------------------------------------------------------------------------------------

                Type: Numeric (double)

               Range: [.4054497,1]                  Units: 1.000e-11
        Unique values: 221                      Missing .: 367,311/1,662,874

                Mean: .699346
           Std. dev.: .136889

          Percentiles:     10%       25%       50%       75%       90%
                        .527862   .573053   .705793   .822193   .879687

-------------------------------------------------------------------------------------------------
xtc_white                                              NEXT school mean of teacher variable white
-------------------------------------------------------------------------------------------------

                Type: Numeric (double)

               Range: [0,.92294974]                 Units: 1.000e-10
        Unique values: 229                      Missing .: 365,196/1,662,874

                Mean: .595637
           Std. dev.: .161536

          Percentiles:     10%       25%       50%       75%       90%
                        .391313   .523707   .618636   .694717   .789177

-------------------------------------------------------------------------------------------------
xtc_black                                              NEXT school mean of teacher variable black
-------------------------------------------------------------------------------------------------

                Type: Numeric (double)

               Range: [0,.73333333]                 Units: 1.000e-12
        Unique values: 177                      Missing .: 365,196/1,662,874

                Mean: .067965
           Std. dev.: .059227

          Percentiles:     10%       25%       50%       75%       90%
                        .005106   .026939   .063356   .085305    .15101

-------------------------------------------------------------------------------------------------
xtc_hisp                                               NEXT school mean of teacher variable hisp
-------------------------------------------------------------------------------------------------

                Type: Numeric (double)

               Range: [0,.76055307]                 Units: 1.000e-11
        Unique values: 222                      Missing .: 365,196/1,662,874

                Mean: .147188
           Std. dev.: .110672

          Percentiles:     10%       25%       50%       75%       90%
                        .045202   .082826     .1187   .166498   .273413
```

```
-------------------------------------------------------------------------------------------------
xtc_asian                                              NEXT school mean of teacher variable asian
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.30673504]                 Units: 1.000e-10
         Unique values: 207                       Missing .: 365,196/1,662,874

                  Mean: .074024
             Std. dev.: .045684

           Percentiles:     10%       25%       50%       75%       90%
                         .01278   .035802   .071086   .115531    .12272

-------------------------------------------------------------------------------------------------
xtc_other                                              NEXT school mean of teacher variable other
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.08829287]                 Units: 1.000e-12
         Unique values: 81                        Missing .: 365,196/1,662,874

                  Mean: .006764
             Std. dev.: .010728

           Percentiles:     10%       25%       50%       75%       90%
                              0         0   .000882   .010152   .019586

-------------------------------------------------------------------------------------------------
dvaladdr                                          INTENDED-NEXT school value added, reading CST
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-.68730813,.43244937]        Units: 1.000e-12
         Unique values: 10,497                    Missing .: 288,704/1,662,874

                  Mean:  .055182
             Std. dev.:  .069471

           Percentiles:      10%       25%       50%       75%       90%
                        -.023207   .010904    .05068   .098529   .134828

-------------------------------------------------------------------------------------------------
dvaladdm                                            INTENDED-NEXT school value added, math CST
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-.5801118,1.9173695]         Units: 1.000e-12
         Unique values: 8,895                     Missing .: 677,206/1,662,874

                  Mean:  .035312
             Std. dev.:   .11374

           Percentiles:      10%       25%       50%       75%       90%
                        -.113795  -.033206   .039107   .113428   .181744

-------------------------------------------------------------------------------------------------
dmeanr                                            INTENDED-NEXT school mean reading CST Z score
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-1.4953272,1.7561426]        Units: 1.000e-11
         Unique values: 10,564                    Missing .: 287,969/1,662,874

                  Mean:  .466954
             Std. dev.:  .422361

           Percentiles:      10%       25%       50%       75%       90%
                        -.047046   .187293   .472178   .759709   1.01863

-------------------------------------------------------------------------------------------------
dmeanm                                            INTENDED-NEXT school mean math CST Z score
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)
```

```
                Range: [-1.496964,2.1071339]         Units: 1.000e-11
         Unique values: 8,999                    Missing .: 671,573/1,662,874

                 Mean:   .37193
            Std. dev.:  .395132

           Percentiles:      10%       25%       50%       75%       90%
                        -.060178   .120547   .313229   .638475   .902334

-------------------------------------------------------------------------------------------------
dwhite                                                          INTENDED-NEXT school mean % white
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [-.75855595,.78145444]        Units: 1.000e-12
         Unique values: 10,567                   Missing .: 287,968/1,662,874

                 Mean:   .20686
            Std. dev.:   .20042

           Percentiles:      10%       25%       50%       75%       90%
                        -.018108   .069792   .210978   .348899   .453549

-------------------------------------------------------------------------------------------------
dblack                                                          INTENDED-NEXT school mean % black
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [-.86499238,.57656425]        Units: 1.000e-13
         Unique values: 10,565                   Missing .: 287,968/1,662,874

                 Mean: -.037185
            Std. dev.:  .127286

           Percentiles:      10%       25%       50%       75%       90%
                        -.173225  -.102434  -.027258   .020957   .099026

-------------------------------------------------------------------------------------------------
dasian                                                          INTENDED-NEXT school mean % Asian
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [-.63852322,.64975482]        Units: 1.000e-12
         Unique values: 10,563                   Missing .: 287,968/1,662,874

                 Mean: -.011596
            Std. dev.:  .144121

           Percentiles:      10%       25%       50%       75%       90%
                        -.201511  -.083316    .00278   .065252    .13577

-------------------------------------------------------------------------------------------------
dhisp                                                        INTENDED-NEXT school mean % Hispanic
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [-.86046678,.83429188]        Units: 1.000e-12
         Unique values: 10,565                   Missing .: 287,968/1,662,874

                 Mean: -.162622
            Std. dev.:  .235132

           Percentiles:      10%       25%       50%       75%       90%
                        -.477242  -.323512  -.147457         0   .123308

-------------------------------------------------------------------------------------------------
dabspcnt                                                  INTENDED-NEXT school mean % days absent
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [-24.908195,19.339781]        Units: 1.000e-12
         Unique values: 10,411                   Missing .: 287,968/1,662,874

                 Mean: -1.32362
            Std. dev.:  2.99156
```

```
           Percentiles:      10%       25%       50%       75%       90%
                          -3.23595  -1.92547  -1.00245         0   .812943

-------------------------------------------------------------------------------------------------------------
dgpa                                                                        INTENDED-NEXT school mean GPA
-------------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-2.1687493,2.1784837]        Units: 1.000e-11
         Unique values: 4,654                      Missing .: 617,677/1,662,874

                  Mean:  .364486
             Std. dev.:  .429703

           Percentiles:      10%       25%       50%       75%       90%
                          -.121702   .114615   .365811   .600834   .893097

-------------------------------------------------------------------------------------------------------------
dparbach                                INTENDED-NEXT school mean % parents with Bachelor's or higher
-------------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-.62819141,.68834543]        Units: 1.000e-12
         Unique values: 10,567                     Missing .: 287,968/1,662,874

                  Mean:  .145013
             Std. dev.:  .154462

           Percentiles:      10%       25%       50%       75%       90%
                          -.025446    .04202   .127278   .243732   .346648

-------------------------------------------------------------------------------------------------------------
dsecbehav                                                 INTENDED-NEXT school mean citizenship grade
-------------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-2.7,2.7]                    Units: 1.000e-11
         Unique values: 4,624                      Missing .: 618,403/1,662,874

                  Mean:  .279565
             Std. dev.:  .440594

           Percentiles:      10%       25%       50%       75%       90%
                          -.179026   .027488   .249243   .517051   .826148

-------------------------------------------------------------------------------------------------------------
dgontime                                      INTENDED-NEXT school mean % graduating high school on time
-------------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-.88119727,.94499016]        Units: 1.000e-12
         Unique values: 10,412                     Missing .: 288,905/1,662,874

                  Mean:  .144628
             Std. dev.:  .161874

           Percentiles:      10%       25%       50%       75%       90%
                          -.017091     .0409   .132179   .238616   .304123

-------------------------------------------------------------------------------------------------------------
dtc_yrssvc                                          INTENDED-NEXT school mean of teacher var yrssvc
-------------------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-13.873199,19.267391]        Units: 1.000e-11
         Unique values: 10,051                     Missing .: 388,352/1,662,874

                  Mean:  1.96268
             Std. dev.:  3.92647

           Percentiles:      10%       25%       50%       75%       90%
                          -2.95328  -.505012   1.81102   4.43944   7.31257

-------------------------------------------------------------------------------------------------------------
dtc_fullcrd                                         INTENDED-NEXT school mean of teacher var fullcrd
```

```
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-.09981178,.35278141]        Units: 1.000e-13
         Unique values: 9,950                     Missing .: 388,352/1,662,874

                  Mean:  .001323
             Std. dev.:  .027069

           Percentiles:      10%       25%       50%       75%       90%
                        -.023811  -.014706  -.001859   .010026    .03074

-------------------------------------------------------------------------------------------------
dtc_clad                                              INTENDED-NEXT school mean of teacher var clad
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-.71773183,.83386749]        Units: 1.000e-11
         Unique values: 10,047                    Missing .: 388,352/1,662,874

                  Mean:  .029424
             Std. dev.:  .163527

           Percentiles:      10%       25%       50%       75%       90%
                        -.157311  -.060391   .016908   .118615   .247751

-------------------------------------------------------------------------------------------------
dtc_bclad                                            INTENDED-NEXT school mean of teacher var bclad
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-.62404269,.60116035]        Units: 1.000e-13
         Unique values: 8,653                     Missing .: 388,352/1,662,874

                  Mean: -.039012
             Std. dev.:  .148931

           Percentiles:      10%       25%       50%       75%       90%
                         -.22633  -.064919   -.01671   .011579   .055685

-------------------------------------------------------------------------------------------------
dtc_masters                                           INTENDED-NEXT school mean of teacher var masters
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-.53057426,.64320141]        Units: 1.000e-12
         Unique values: 10,090                    Missing .: 386,387/1,662,874

                  Mean:  .045574
             Std. dev.:  .124159

           Percentiles:      10%       25%       50%       75%       90%
                        -.107275  -.028583    .04352   .116075   .198385

-------------------------------------------------------------------------------------------------
dtc_female                                             INTENDED-NEXT school mean of teacher var female
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-.5408349,.46212509]         Units: 1.000e-12
         Unique values: 9,982                     Missing .: 388,352/1,662,874

                  Mean:   -.0118
             Std. dev.:  .112285

           Percentiles:      10%       25%       50%       75%       90%
                        -.154525   -.07871  -.001054   .061897   .120773

-------------------------------------------------------------------------------------------------
dtc_white                                            INTENDED-NEXT school mean of teacher var white
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-.83864731,.88775474]        Units: 1.000e-12
         Unique values: 10,101                    Missing .: 386,387/1,662,874
```

```
                Mean:  .121038
           Std. dev.:  .194235

         Percentiles:      10%       25%       50%       75%       90%
                     -.093276   .006068   .104138   .206586   .362474
```

---

dtc_black — INTENDED-NEXT school mean of teacher var black

```
                Type: Numeric (float)

               Range: [-.65500659,.55768692]        Units: 1.000e-12
       Unique values: 6,839                     Missing .: 386,387/1,662,874

                Mean: -.017766
           Std. dev.:  .080252

         Percentiles:      10%       25%       50%       75%       90%
                     -.093094  -.054886  -.014586   .014971   .050163
```

---

dtc_hisp — INTENDED-NEXT school mean of teacher var hisp

```
                Type: Numeric (float)

               Range: [-.75550258,.76055306]        Units: 1.000e-12
       Unique values: 10,005                    Missing .: 386,387/1,662,874

                Mean: -.040553
           Std. dev.:  .138101

         Percentiles:      10%       25%       50%       75%       90%
                     -.174904  -.088083  -.030451   .014671   .068203
```

---

dtc_asian — INTENDED-NEXT school mean of teacher var asian

```
                Type: Numeric (float)

               Range: [-.30673504,.30006838]        Units: 1.000e-12
       Unique values: 8,868                     Missing .: 386,387/1,662,874

                Mean: -.020788
           Std. dev.:  .060148

         Percentiles:      10%       25%       50%       75%       90%
                     -.099964  -.064007  -.021924   .017185   .057747
```

---

dtc_other — INTENDED-NEXT school mean of teacher var other

```
                Type: Numeric (float)

               Range: [-.08829287,.08829287]        Units: 1.000e-12
       Unique values: 1,822                     Missing .: 386,387/1,662,874

                Mean: .001963
           Std. dev.: .019481

         Percentiles:     10%       25%       50%       75%       90%
                     -.01501  -.005335         0   .005688   .019929
```

---

valaddr — School value added, reading CST

```
                Type: Numeric (float)

               Range: [-.60005409,.63059044]        Units: 1.000e-12
       Unique values: 268                       Missing .: 37,789/1,662,874

                Mean:  -.00756
           Std. dev.:  .071562

         Percentiles:      10%       25%       50%       75%       90%
                     -.081162  -.047732  -.014799   .037337   .076177
```

```
-------------------------------------------------------------------------------------------------
slmeanr                                                      School mean reading CST Z score
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [-1.3077527,.96033734]        Units: 1.000e-11
          Unique values: 272                      Missing .: 37,237/1,662,874

                  Mean: -.069637
             Std. dev.:  .398408

            Percentiles:      10%       25%       50%       75%       90%
                         -.557958  -.402771  -.102857   .226775   .460826

-------------------------------------------------------------------------------------------------
slwhite                                                                  School mean % white
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,.78594631]                 Units: 1.000e-10
          Unique values: 277                      Missing .: 25,716/1,662,874

                  Mean:  .22045
             Std. dev.: .187364

            Percentiles:     10%       25%       50%       75%       90%
                         .015237   .038485    .20827   .361843   .469253

-------------------------------------------------------------------------------------------------
slblack                                                                  School mean % black
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [.01401015,1]                 Units: 1.000e-09
          Unique values: 278                      Missing .: 25,716/1,662,874

                  Mean:   .1514
             Std. dev.: .104565

            Percentiles:     10%       25%       50%       75%       90%
                         .047304   .084592   .133024    .20633   .276068

-------------------------------------------------------------------------------------------------
slasian                                                                  School mean % Asian
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,.6618216]                  Units: 1.000e-10
          Unique values: 276                      Missing .: 25,716/1,662,874

                  Mean: .136857
             Std. dev.: .112256

            Percentiles:     10%       25%       50%       75%       90%
                         .027571   .061139   .104514   .182908    .28012

-------------------------------------------------------------------------------------------------
slhisp                                                                  School mean % Hispanic
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)

                 Range: [0,.96603775]                 Units: 1.000e-09
          Unique values: 278                      Missing .: 25,716/1,662,874

                  Mean: .483763
             Std. dev.: .206014

            Percentiles:     10%       25%       50%       75%       90%
                         .244883    .31892   .441693   .624393    .77503

-------------------------------------------------------------------------------------------------
slabspcnt                                                      School mean % days absent
-------------------------------------------------------------------------------------------------

                  Type: Numeric (float)
```

```
                Range: [0,28.829046]                 Units: 1.000e-08
        Unique values: 246                           Missing .: 25,716/1,662,874

                 Mean: 5.05995
            Std. dev.: 1.94789

          Percentiles:     10%       25%       50%       75%       90%
                        3.54878   4.26768   4.94156   5.86493   6.65078

-------------------------------------------------------------------------------------------------
slparbach                                            School mean % parents with Bachelor's or higher
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [0,.70800263]                 Units: 1.000e-10
        Unique values: 268                           Missing .: 25,716/1,662,874

                 Mean:  .17858
            Std. dev.: .137211

          Percentiles:     10%       25%       50%       75%       90%
                        .031826   .062823   .150982   .271995   .368054

-------------------------------------------------------------------------------------------------
slgontime                                             School mean % graduating high school on time
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [0,1]                         Units: 1.000e-09
        Unique values: 264                           Missing .: 27,246/1,662,874

                 Mean: .735646
            Std. dev.: .156319

          Percentiles:     10%       25%       50%       75%       90%
                        .582174   .653376   .766699   .863564   .891583

-------------------------------------------------------------------------------------------------
slontrack9                                                      School mean % on track in grade 9
-------------------------------------------------------------------------------------------------

                 Type: Numeric (float)

                Range: [0,1]                         Units: 1.000e-09
        Unique values: 267                           Missing .: 26,017/1,662,874

                 Mean: .614184
            Std. dev.: .163087

          Percentiles:     10%       25%       50%       75%       90%
                        .424036    .49885   .618601   .745649   .821021

-------------------------------------------------------------------------------------------------
tc_yrssvc                                            Mean of teacher variable yrssvc by school, 04-13
-------------------------------------------------------------------------------------------------

                 Type: Numeric (double)

                Range: [2,31.625]                    Units: 1.000e-08
        Unique values: 236                           Missing .: 114,636/1,662,874

                 Mean: 13.7241
            Std. dev.: 3.38827

          Percentiles:     10%       25%       50%       75%       90%
                        8.86799   12.0297   14.2838    15.618    17.716

-------------------------------------------------------------------------------------------------
tc_fullcrd                                           Mean of teacher variable fullcrd by school, 04-13
-------------------------------------------------------------------------------------------------

                 Type: Numeric (double)

                Range: [.63333333,1]                 Units: 1.000e-09
        Unique values: 219                           Missing .: 114,636/1,662,874

                 Mean: .959039
            Std. dev.: .032769
```

```
           Percentiles:     10%       25%       50%       75%       90%
                         .941056   .952995   .964111   .973972   .981851

-------------------------------------------------------------------------------------------------------
tc_clad                                                 Mean of teacher variable clad by school, 04-13
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.85714286]                 Units: 1.000e-10
         Unique values: 231                       Missing .: 114,636/1,662,874

                  Mean: .463957
             Std. dev.: .132915

           Percentiles:     10%       25%       50%       75%       90%
                         .338369   .381587   .449336   .543611   .625188

-------------------------------------------------------------------------------------------------------
tc_bclad                                               Mean of teacher variable bclad by school, 04-13
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.65625]                    Units: 1.000e-11
         Unique values: 190                       Missing .: 114,636/1,662,874

                  Mean: .097822
             Std. dev.: .135319

           Percentiles:     10%       25%       50%       75%       90%
                         .005848   .020174    .04288    .09746   .269249

-------------------------------------------------------------------------------------------------------
tc_masters                                             Mean of teacher variable masters by school, 04-13
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [.22239382,1]                 Units: 1.000e-09
         Unique values: 232                       Missing .: 64,654/1,662,874

                  Mean:  .63563
             Std. dev.: .113159

           Percentiles:     10%       25%       50%       75%       90%
                           .5163   .571728   .628895    .68328   .748379

-------------------------------------------------------------------------------------------------------
tc_female                                               Mean of teacher variable female by school, 04-13
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [.375,1]                      Units: 1.000e-11
         Unique values: 226                       Missing .: 114,636/1,662,874

                  Mean: .696008
             Std. dev.: .152897

           Percentiles:     10%       25%       50%       75%       90%
                         .490469   .552746   .690476   .833156   .886261

-------------------------------------------------------------------------------------------------------
tc_white                                               Mean of teacher variable white by school, 04-13
-------------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.92294974]                 Units: 1.000e-10
         Unique values: 235                       Missing .: 64,654/1,662,874

                  Mean: .614153
             Std. dev.: .196235

           Percentiles:     10%       25%       50%       75%       90%
                         .353815   .538479   .665872   .744759   .801379

-------------------------------------------------------------------------------------------------------
tc_black                                               Mean of teacher variable black by school, 04-13
```

```
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.73333333]                 Units: 1.000e-12
         Unique values: 182                       Missing .: 64,654/1,662,874

                  Mean: .056987
             Std. dev.: .064905

           Percentiles:     10%       25%       50%       75%       90%
                              0   .016884    .04122   .074922     .1209

-------------------------------------------------------------------------------------------------
tc_hisp                                              Mean of teacher variable hisp by school, 04-13
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.76055307]                 Units: 1.000e-11
         Unique values: 226                       Missing .: 64,654/1,662,874

                  Mean: .135705
             Std. dev.: .125495

           Percentiles:     10%       25%       50%       75%       90%
                        .039511   .065585   .093053   .145955   .304402

-------------------------------------------------------------------------------------------------
tc_asian                                             Mean of teacher variable asian by school, 04-13
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.30673504]                 Units: 1.000e-10
         Unique values: 210                       Missing .: 64,654/1,662,874

                  Mean: .058151
             Std. dev.: .045342

           Percentiles:     10%       25%       50%       75%       90%
                        .005556   .025268   .048324   .087282   .117699

-------------------------------------------------------------------------------------------------
tc_other                                             Mean of teacher variable other by school, 04-13
-------------------------------------------------------------------------------------------------

                  Type: Numeric (double)

                 Range: [0,.375]                      Units: 1.000e-12
         Unique values: 82                        Missing .: 64,654/1,662,874

                  Mean: .006559
             Std. dev.: .012477

           Percentiles:     10%       25%       50%       75%       90%
                              0         0         0   .007152   .019978
```