THE PROJECT STAR DATA SET

The Project STAR public access data set contains data on test scores, treatment groups, and student and teacher characteristics for the four years of the experiment, from academic year 1985-86 to academic year 1988-89. The test score data analyzed in this chapter are the sum of the scores on the math and reading portion of the Stanford Achievement Test. The binary variable "Boy" in Table 11.2 indicates whether the student is a boy (= 1) or girl (= 0); the binary variables "Black" and "Race other than black or white" indicate the student's race. The binary variable "Free lunch eligible" indicates whether the student is eligible for a free lunch during that school year. The teacher's years of experience are the total years of experience of the teacher whom the student had in the grade for which the test data apply. The data set also indicates which school the student attended in a given year, making it possible to construct binary school-specific indicator variables.

We have included two versions of the data set on the website. STAR_SW includes the variables that were used in the analysis in Chapter 11. WEBSTAR constains the complete dataset (which we downloaded from the Project STAR website http://www.heros-inc.org/star.htm)

Data Series in STAR_SW:

Variable	Description
tscorek	test score kindergarten
tscore1	test score 1st grade
tscore2	test score 2nd grade
tscore3	test score 3rd grade
stark	attend project star class (small, regular or aide) in kindergarten
star1	attend project star class (small, regular or aide) in 1st grade
star2	attend project star class (small, regular or aide) in 2nd grade
star3	attend project star class (small, regular or aide) in 3rd grade
sck	in small class - kindergarten
sc1	in small class – 1st Grade
sc2	in small class – 2nd Grade
sc3	in small class – 3rd Grade
rak	in regular class with aide – kindergarten
ra1	in regular class with aide – 1st grade
ra2	in regular class with aide – 2nd grade
ra3	in regular class with aide – 3rd grade
black	binary variable (1 if black)
white	binary variance (1 if white)
boy	binary variable (1 if boy)
freelunk	qualifies for free lunch kindergarten
freelun1	qualifies for free lunch 1st grade

freelun2	qualifies for free lunch 2nd grade
freelun3	qualifies for free lunch 3rd grade
totexpk	years of total teaching experience - kindergarten
totexp1	years of total teaching experience - 1st grade
totexp2	years of total teaching experience - 2nd grade
totexp3	years of total teaching experience - 3rd grade
treadssk	total reading scaled score - sesat ii stanford kindergarten
treadss1	total reading scaled score - sesat ii Stanford 1st grade
treadss2	total reading scaled score - sesat ii stanford 2nd grade
treadss3	total reading scaled score - sesat ii Stanford 3rd grade
tmathssk	total math scaled score - sesat ii Stanford kindergarten
tmathss1	total math scaled score - sesat ii Stanford 1st grade
tmathss2	total math scaled score - sesat ii Stanford 2nd grade
tmathss3	total math scaled score - sesat ii Stanford 3rd grade
schidkn	school id-k (new) kindergarten
schid1n	school id-g1 (new) 1st grade
schid2n	school id-g2 (new) 2nd grade
schid3n	school id-g3 (new) 3rd grade

Data Series in WEBSTAR

Variable	Description
newid	new student id for public star datasets
ssex	student sex (1m2f)
srace	student race (1w2b3a4h5i6o)
sbirthq	quarter of students birth
sbirthy	year of students birth
stark	attend project star class (small, regular or aide) in kindergarten
star1	attend project star class (small, regular or aide) in 1st grade
star2	attend project star class (small, regular or aide) in 2nd grade
star3	attend project star class (small, regular or aide) in 3rd grade
cltypek	classroom type (1s2r3ra) in kindergarten
cltype1	classroom type (1s2r3ra) in first grade
cltype2	classroom type (1s2r3ra) in second grade
cltype3	classroom type (1s2r3ra) in third grade
schtypek	school type - (1i2s3r4u) in kindergarten
hdegk	highest degree (tch) of kindergarten teacher
cladk	teacher career ladder level in kindergarten
totexpk	years of total teaching experience - kindergarten
tracek	teacher race (1w2b3a4h5i6o) in kindergarten
treadssk	total reading scaled score - sesat ii stanford
tmathssk	total math scaled score - sesat ii stanford
sesk	socio-economic status in kindergarten

schtype1	school type - (1i2s3r4u) in first grade
trace1	teacher race (1w2b3a4h5i6o) in 1st grade
hdeg1	highest degree (tch) of 1st grade teacher
clad1	teacher career ladder level in 1st grade
totexp1	years of total teaching experience - 1st grade
treadss1	total reading scaled score - primary 1 stanford
tmathss1	total math scaled score - primary 1 stanford
ses1	socio-economic status in 1st grade
schtype2	school type - (1i2s3r4u) in 2nd grade
trace2	teacher race (1w2b3a4h5i6o) in 2nd grade
hdeg2	highest degree (tch) of 2nd grade teacher
clad2	teacher career ladder level in 2nd grade
totexp2	years of total teaching experience - 2nd grade
treadss2	total reading scaled score - primary 2 stanford
tmathss2	total math scaled score - primary 2 stanford
ses2	socio-economic status in 2nd grade
schtype3	school type - (1i2s3r4u) in third grade
treadss3	total reading scaled score - primary 3 stanford
tmathss3	total math scaled score - primary 3 stanford
ses3	socio-economic status in 3rd grade
trace3	teacher race (1w2b3a4h5i6o) in 3rd grade
hdeg3	highest degree (tch) of 3rd grade teacher
clad3	teacher career ladder level in 3rd grade
totexp3	years of total teaching experience - 3rd grade
sysidkn	sch system id-k (new) kindergarten
sysid1n	sch system id-g1 (new) 1st grade
sysid2n	sch system id-g2 (new) 2nd grade
sysid3n	sch system id-g3 (new) 3rd grade
schidkn	school id-k (new) kindergarten
schid1n	school id-g1 (new) 1st grade
schid2n	school id-g2 (new) 2nd grade
schid3n	school id-g3 (new) 3rd grade