Description of data files and programs for replicating

Universal Vouchers and Racial and Ethnic Segregation

This read-me file describes the data and STATA programs necessary to replicate the tables presented in "Universal Vouchers and Racial and Ethnic Segregation," by Eric Brunner, Jennifer Imazeki and Stephen Ross. All the results reported in the paper were obtained using STATA version 9. This file describes the five datasets and two STATA do-files that produce the estimation results.

Data Files

File Name: survey_hschool.dta

Description: This STATA file contains survey data on voter support for California's 2000 voucher initiative as well as the demographic characteristics of the survey respondent's closest high school. All of the high school demographic data on race, ethnicity, the fraction of students that are limited English proficient and test scores were obtained from the California Department of Education as described in the paper. All of the variables are labeled in the dataset.

File Name: survey_eschools.dta

Description: This STATA file contains survey data on voter support for California's 2000 voucher initiative as well as the demographic characteristics of the survey respondent's closest elementary school and the average of the three closest elementary schools. All of the elementary school demographic data on race, ethnicity, the fraction of students that are limited English proficient and test scores were obtained from the California Department of Education as described in the paper. All of the variables are labeled in the dataset.

File Name: dataset_hschools.dta

Description: This STATA file contains aggregate vote returns for California's Proposition 38 as well as the demographic characteristics of high schools and census demographic data. As noted in the paper, the unit of observation is a pseudo-block group. All of the high school demographic data on race, ethnicity, the fraction of students that are limited English proficient and test scores were obtained from the California Department of Education. Census demographic data comes from the 2000 census. The raw vote return data comes from the Statewide Database, maintained by the Institute of Governmental Studies at the University of California Berkeley. These data files can be freely downloaded from the following website: http://swdb.berkeley.edu/d00/index.html. All of the variables are labeled in the dataset.

File Name: dataset_eschools.dta

Description: This STATA file contains aggregate vote returns for California's Proposition 38 as well as the demographic characteristics of elementary schools and census demographic data. The demographic characteristics of elementary schools are for the closest elementary school to a census block. As noted in the paper, the unit of observation is a pseudo-block group. All of the elementary school demographic data on race, ethnicity, the fraction of students that are limited English proficient and test scores were

obtained from the California Department of Education. Census demographic data comes from the 2000 census. The raw vote return data comes from the Statewide Database, maintained by the Institute of Governmental Studies at the University of California Berkeley.

File Name: dataset_eschools1.dta

Description: This STATA file contains aggregate vote returns for California's Proposition 38 as well as the demographic characteristics of elementary schools and census demographic data. The demographic characteristics of elementary schools represent averages for the three closest elementary schools to a census block. As noted in the paper, the unit of observation is a pseudo-block group. All of the elementary school demographic data on race, ethnicity, the fraction of students that are limited English proficient and test scores were obtained from the California Department of Education as described in the paper. Census demographic data comes from the 2000 census. The raw vote return data comes from the Statewide Database, maintained by the Institute of Governmental Studies at the University of California Berkeley.

STATA Do Files

Do-File Name: survey_data.do

Description: This do-file creates the variables used in the analysis of the survey data and creates the summary statistics and regression results that are reported in tables 1 though 5 of the paper. The do file utilizes the data contained in survey_hschool.dta and survey_eschool.dta. The do file contains labels that indicate which regressions are associated with each table presented in the paper. Note that there is a typo in the paper. Specifically, in column 1 of Table 2, the estimated coefficient on the nonwhite share is reported to be 0.126. The correct value (which is obtained when you run the do-file) is 0.216.

Do-File Name: aggregate_data.do

Description: This do-file creates the variables used in the analysis of the aggregate vote return data and creates the regression results that are reported in tables 6 though 8 of the paper. The do file utilizes the data contained in dataset_hschools.dta, dataset_eschools.dta and dataset_eschools1.dta. The do file contains labels that indicate which regressions are associated with each table presented in the paper. Note, to create the results reported in Table 8 of the paper, you need to slightly modify the program. Specifically, for the elementary school models you will need to change two of the interaction terms in the models based on the closest elementary school and the models based on the average of the three closest elementary schools. The do-file is labeled where you need to make these modifications.

Data Dictionary for survey_hschool.dta

Variable	Source	Definition
age	Survey	age category
gender	Survey	gender
weight	Survey	survey weight
id	Survey	survey id code
voucher	Survey	prop 38--school vouchers
republican	Survey	party registration
tenure	Survey	own/rent
children	Survey	kids in school
educ	Survey	education
employment	Survey	employment
income	Survey	household income
race	Survey	race/ethnicity
citizen	Survey	born in us?
survey_county	Survey	county
month	Survey	month of survey 1=Aug, 2=Sept, 3=Oct
zip	Survey	zip code
ideolog	Survey	1=v. lib, 2=s.w. lib, 3=middle of road, 4=s.w. conserv, 5=conserv, 8=dont know
own	Survey	own home=1, rent=2
maxafact	Created	fraction of zipcode pop residing in district boundary
scode	CA Dept. Of Ed.	CA school id code
api	CA Dept. Of Ed.	academic performance index
stenrl	CA Dept. Of Ed.	school total enrollment
minority	CA Dept. Of Ed.	fraction minority
slep	CA Dept. Of Ed.	school fraction limited english proficient
lep_sphisp	CA Dept. Of Ed.	fraction limited english proficient and hispanic
nlep_sphisp	CA Dept. Of Ed.	fraction not limited english proficient and hispanic
lep_spasian	CA Dept. Of Ed.	fraction limited english proficient and asian
nlep_spasian	CA Dept. Of Ed.	fraction not limited english proficient and asian
lep_minority	CA Dept. Of Ed.	fraction limited english proficient and minority
nlep_minority	CA Dept. Of Ed.	fraction not limited english proficient and minority
spblack	CA Dept. Of Ed.	school fraction black
sphisp	CA Dept. Of Ed.	school fraction hispanic
spasian	CA Dept. Of Ed.	school fraction asian
spother	CA Dept. Of Ed.	school fraction other race
spwhite	CA Dept. Of Ed.	school fraction white
ccode	CA Dept. Of Ed.	CA county code
dcode	CA Dept. Of Ed.	CA District code
cname	CA Dept. Of Ed.	county name
dname	CA Dept. Of Ed.	district name
sname	CA Dept. Of Ed.	school name
cen_dcode	NCES	Census District Code
county	NCES	Census County Code
dtype	CA Dept. Of Ed.	District Type: UNIFIED, ELEMENTARY, HIGH
popstat	CA Dept. Of Ed.	population indicator urban/rural
region	CA Dept. Of Ed.	region indicator
srural	CA Dept. Of Ed.	rural status indicator

Data Dictionary for survey_eschool.dta

Variable	Source	Definition
age	Survey	age category
gender	Survey	gender
weight	Survey	survey weight
id	Survey	survey id code
voucher	Survey	prop 38--school vouchers
republican	Survey	party registration
tenure	Survey	own/rent
children	Survey	kids in school
educ	Survey	education
employment	Survey	employment
income	Survey	household income
race	Survey	race/ethnicity
citizen	Survey	born in us?
survey_county	Survey	county
month	Survey	month of survey 1=Aug, 2=Sept, 3=Oct
zip	Survey	zip code
ideolog	Survey	1=v. lib, 2=s.w. lib, 3=middle of road, 4=s.w. conserv, 5=conserv, 8=dont know
own	Survey	own home=1, rent=2
maxafact	created	fraction of zipcode pop residing in district boundary
api	CA Dept. of ED	academic performance index, 3 closest elems
scode	CA Dept. of ED	(mean) scode
stenrl	CA Dept. of ED	school total enrollment, 3 closest elems
spwhite	CA Dept. of ED	school fraction white, 3 closest elem
spblack	CA Dept. of ED	school fraction black, 3 closest elem
sphisp	CA Dept. of ED	school fraction black, 3 closest elem
spasian	CA Dept. of ED	school fraction black, 3 closest elem
spother	CA Dept. of ED	school fraction other race, 3 closest elem
minority	CA Dept. of ED	fraction minority at 3 closest elem
slep	CA Dept. of ED	school fraction limited english proficient, 3 closest elem
lep_sphisp	CA Dept. of ED	fraction limited english proficient and hispanic, 3 closest elem
nlep_sphisp	CA Dept. of ED	fraction not limited english proficient and hispanic, 3 closest elem
lep_spasian	CA Dept. of ED	fraction limited english proficient and asian, 3 closest elem
nlep_spasian	CA Dept. of ED	fraction not limited english proficient and asian, 3 closest elem
lep_minority	CA Dept. of ED	fraction limited english proficient and minority, 3 closest elem
nlep_minority	CA Dept. of ED	fraction not limited english proficient and minority, 3 closest elem
popstat	CA Dept. of ED	population indicator urban/rural 3 closest elementary schools
ccode	CA Dept. of ED	CA county id code
dcode	CA Dept. of ED	CA district ID code
cname	CA Dept. of ED	county name
dname	CA Dept. of ED	district name
sname	CA Dept. of ED	school name
cen_dcode	NCES	Census District Code
county	NCES	Census County Code
dtype	CA Dept. of ED	District Type: UNIFIED, ELEMENTARY, HIGH
api_cs	CA Dept. of ED	academic performance index, closest elem
scode_cs	CA Dept. of ED	school id code, closest elem
stenrl_cs	CA Dept. of ED	school total enrollment, closest elem
spwhite_cs	CA Dept. of ED	school fraction white, closest elem
spblack_cs	CA Dept. of ED	school fraction black, closest elem
sphisp_cs	CA Dept. of ED	school fraction black, closest elem
spasian_cs	CA Dept. of ED	school fraction black, closest elem
spother_cs	CA Dept. of ED	school fraction other race, closest elem
minority_cs	CA Dept. of ED	fraction minority at closest elem
slep_cs	CA Dept. of ED	school fraction limited english proficient, closest elem
lep_sphisp_cs	CA Dept. of ED	fraction limited english proficient and hispanic, closest elem
nlep_sphisp_cs	CA Dept. of ED	fraction not limited english proficient and hispanic, closest elem
lep_spasian_cs	CA Dept. of ED	fraction limited english proficient and asian, closest elem
nlep_spasian_cs	CA Dept. of ED	fraction not limited english proficient and asian, closest elem
lep_minority_cs	CA Dept. of ED	fraction limited english proficient and minority, closest elem
nlep_minority~s	CA Dept. of ED	fraction not limited english proficient and minority, closest elem
region	CA Dept. of ED	regional indicator
popstat_cs	CA Dept. of ED	population indicator urban/rural closest elem school

Data Dictionary for dataset_hschools.dta

Variable	Source	Definition
scode	CA Dept. of ED	CA school id code
county	Statewide Database	county fips code
tract	Statewide Database	census tract id code
blockg	Statewide Database	block group id code
pr38y	Statewide Database	number of yes votes for Proposition 38
pr38n	Statewide Database	number of no votes for Proposition 38
totreg	Statewide Database	total number of registered voters
dem	Statewide Database	number of registered democrats
rep	Statewide Database	number of registered republicans
tpop	Census	total population
white18	Census	fraction of population age 18 or older and white
hisp18	Census	fraction of population age 18 or older and Hispanic
black18	Census	fraction of population age 18 or older and Black
asian18	Census	fraction of population age 18 or older and Asian
hh_white	Census	fraction of H.H's white
hh_hisp	Census	fraction of H.H.'s Hispanic
hh_black	Census	fraction of H.H.'s black
hh_asian	Census	fraction of H.H.'s asian
hhwc_white	Census	fraction of H.H's with school-age children and white
hhwyc_white	Census	fraction of H.H's with children under six and white
hhnc_white	Census	fraction of H.H's with no children white
hhwc_nwhite	Census	fraction of H.H's with school-age children non-white
hhwyc_nwhite	Census	fraction of H.H's with children under six non-white
hhnc_nwhite	Census	fraction of H.H's with no children non-white
own	Census	fraction of homeowners
fe	Census	fraction of the population 18 or older and female
hmeaninc	Census	mean HH income
hmedinc	Census	median HH income
public	Census	% K-12 students in public school

Data Dictionary for dataset_hschools.dta Continued

Variable	Source	Definition
private	Census	% K-12 students in private school
lths	Census	% less than high school degree
coll	Census	% bachelors degree or higher
emp_educ	Census	% employed in educational services
ccode	CA Dept. of ED	California County Code
dcode	CA Dept. of ED	California District ID Code
cname	CA Dept. of ED	county name
dname	CA Dept. of ED	district name
sname	CA Dept. of ED	school name
stenrl	CA Dept. of ED	total enrollment in school
api	CA Dept. of ED	Academic Performance Index
cen_dcode	NCES	Census District Code
cen_ccode	NCES	Census County Code
dtype	CA Dept. of ED	District Type: UNIFIED, ELEMENTARY, HIGH
minority	CA Dept. of ED	fraction of students non-white
slep	CA Dept. of ED	fraction of students in school limited engligh proficient
spblack	CA Dept. of ED	school fraction black
sphisp	CA Dept. of ED	school fraction Hispanic
spasian	CA Dept. of ED	school fraction asian
spwhite	CA Dept. of ED	school fraction white
spother	CA Dept. of ED	school fraction race other than black, hispanic, asian, white
lep_sphisp	CA Dept. of ED	fraction limited english proficient and hispanic
nlep_sphisp	CA Dept. of ED	fraction not limited english proficient and hispanic
lep_spasian	CA Dept. of ED	fraction limited english proficient and asian
nlep_spasian	CA Dept. of ED	fraction not limited english proficient and asian
lep_minority	CA Dept. of ED	fraction limited englih proficient and non-white
nlep_minority	CA Dept. of ED	fraction not limited englih proficient and non-white
srural	CA Dept. of ED	equal to one if school is in rural location
prep	Statewide Database	fraction of registered Republicans
pyes	Statewide Database	fraction of yes votes on Proposition 38
tvote38	Statewide Database	total votes on Proposition 38
region	CA Dept. of ED	regional indicators

Data Dictionary for dataset_eschools.dta

Variable	Source	Definition
tract	Statewide Database	census tract id code
county	Statewide Database	county fips code
scode	CA Dept. of ED	school id code
blockg	Statewide Database	block group id code
pr38y	Statewide Database	number of yes votes for Proposition 38
pr38n	Statewide Database	number of no votes for Proposition 38
totreg	Statewide Database	total number of registered voters
dem	Statewide Database	number of registered democrats
rep	Statewide Database	number of registered republicans
tpop	Census	total population
white18	Census	fraction of population age 18 or older and white
hisp18	Census	fraction of population age 18 or older and Hispanic
black18	Census	fraction of population age 18 or older and Black
asian18	Census	fraction of population age 18 or older and Asian
hh_white	Census	fraction of H.H's white
hh_hisp	Census	fraction of H.H.'s Hispanic
hh_black	Census	fraction of H.H.'s black
hh_asian	Census	fraction of H.H.'s asian
hhwc_white	Census	fraction of H.H's with school-age children white
hhwyc_white	Census	fraction of H.H's with children under six white
hhnc_white	Census	fraction of H.H's with no children white
hhwc_nwhite	Census	fraction of H.H's with school-age children non-white
hhwyc_nwhite	Census	fraction of H.H's with children under six non-white
hhnc_nwhite	Census	fraction of H.H's with no children non-white
own	Census	fraction of homeowners
fe	Census	fraction of the population 18 or older and female
hmeaninc	Census	mean HH income
hmedinc	Census	median HH income
public	Census	% K-12 students in public school
private	Census	% K-12 students in private school

Data Dictionary for dataset_eschools.dta Continued

Variable	Source	Definition
lths	Census	% less than high school degree
coll	Census	% bachelors degree or higher
emp_educ	Census	% employed in educational services
popstat	CA Dept. of ED	population indicator urban/rural closest elem school
dcode	CA Dept. of ED	California District ID Code
ccode	CA Dept. of ED	California County Code
stenrl	CA Dept. of ED	total enrollment in school
api	CA Dept. of ED	Academic Performance Index
minority	CA Dept. of ED	fraction of students non-white
slep	CA Dept. of ED	fraction of students in school limited englih proficient
spblack	CA Dept. of ED	school fraction black
sphisp	CA Dept. of ED	school fraction Hispanic
spasian	CA Dept. of ED	school fraction asian
spwhite	CA Dept. of ED	school fraction white
spother	CA Dept. of ED	school fraction race other than black, hispanic, asian, white
lep_sphisp	CA Dept. of ED	fraction limited english proficient and hispanic
nlep_sphisp	CA Dept. of ED	fraction not limited english proficient and hispanic
lep_spasian	CA Dept. of ED	fraction limited english proficient and asian
nlep_spasian	CA Dept. of ED	fraction not limited english proficient and asian
lep_minority	CA Dept. of ED	fraction limited englih proficient and non-white
nlep_minority	CA Dept. of ED	fraction not limited englih proficient and non-white
cname	CA Dept. of ED	county name
dname	CA Dept. of ED	district name
cen_dcode	NCES	Census District Code
cen_ccode	NCES	Census County Code
dtype	CA Dept. of ED	District Type: UNIFIED, ELEMENTARY, HIGH
srural	CA Dept. of ED	equal to one if school is in rural location
prep	Statewide Database	fraction of registered Republicans
pyes	Statewide Database	fraction of yes votes on Proposition 38
tvote38	Statewide Database	total votes on Proposition 38
region	CA Dept. of ED	regional indicators

Data Dictionary for dataset_eschools1.dta

Variable	Source	Definition
tract	Statewide Database	census tract id code
county	Statewide Database	county fips code
scode	CA Dept. of ED	school id code
blockg	Statewide Database	block group id code
pr38y	Statewide Database	number of yes votes for Proposition 38
pr38n	Statewide Database	number of no votes for Proposition 38
totreg	Statewide Database	total number of registered voters
dem	Statewide Database	number of registered democrats
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tpop	Census	total population
white18	Census	fraction of population age 18 or older and white
hisp18	Census	fraction of population age 18 or older and Hispanic
black18	Census	fraction of population age 18 or older and Black
asian18	Census	fraction of population age 18 or older and Asian
hh_white	Census	fraction of H.H's white
hh_hisp	Census	fraction of H.H.'s Hispanic
hh_black	Census	fraction of H.H.'s black
hh_asian	Census	fraction of H.H.'s asian
hhwc_white	Census	fraction of H.H's with school-age children white
hhwyc_white	Census	fraction of H.H's with children under six white
hhnc_white	Census	fraction of H.H's with no children white
hhwc_nwhite	Census	fraction of H.H's with school-age children non-white
hhwyc_nwhite	Census	fraction of H.H's with children under six non-white
hhnc_nwhite	Census	fraction of H.H's with no children non-white
own	Census	fraction of homeowners
fe	Census	fraction of the population 18 or older and female
hmeaninc	Census	mean HH income
hmedinc	Census	median HH income

Data Dictionary for dataset_eschools1.dta Continued

Variable	Source	Definition
public	Census	% K-12 students in public school
private	Census	% K-12 students in private school
lths	Census	% less than high school degree
coll	Census	% bachelors degree or higher
emp_educ	Census	% employed in educational services
popstat	CA Dept. of ED	population indicator urban/rural three closest elem schools
api	CA Dept. of ED	Academic Performance Index, 3 closest elem schools
minority	CA Dept. of ED	fraction of students non-white
slep	CA Dept. of ED	fraction of students in school limited engligh proficient
lep_sphisp	CA Dept. of ED	fraction limited english proficient and hispanic
nlep_sphisp	CA Dept. of ED	fraction not limited english proficient and hispanic
lep_spasian	CA Dept. of ED	fraction limited english proficient and asian
nlep_spasian	CA Dept. of ED	fraction not limited english proficient and asian
lep_minority	CA Dept. of ED	fraction limited engligh proficient and non-white
nlep_minority	CA Dept. of ED	fraction not limited engligh proficient and non-white
dcode	CA Dept. of ED	California District ID Code
ccode	CA Dept. of ED	California County Code
srural	CA Dept. of ED	equal to one if school is in rural location
prep	Statewide Database	fraction of registered Republicans
pyes	Statewide Database	fraction of yes votes on Proposition 38
tvote38	Statewide Database	total votes on Proposition 38
region	CA Dept. of ED	regional indicators