Online Data Table 4: Complete County-Level Dataset: Causal Effects and Covariates

Description

This table reports the gains (or losses) from spending one more year of childhood in each county in the U.S. It also reports data on permanent resident's intergenerational mobility, as defined in Chetty et al. (QJE 2014). Finally, it provides a set of observable characteristics for county.

The causal exposure effects (referred as "causal" in the codebook) are defined for 25 outcomes (referred to as "[outcome]" in the codebook):

- 1) kr26: Rank in national household income distribution (i.e., including own earnings and spouse earnings) at Age 26. This is our preferred baseline measure.
- 2) kr26_am: Rank in national household income distribution at Age 26 for children with above-median parent rank
- 3) kr26_bm: Rank in national household income distribution at Age 26 for children with below-median parent rank
- 4) kr26_drc: Rank in national household income distribution at Age 26 controlling for change in parent income around move
- 5) kr26_f: Rank in national household income distribution at Age 26 for female children
- 6) kr26 m: Rank national household income distribution at Age 26 for male children
- 7) kr26_sp: Rank national household income distribution at Age 26 for children with a single parent
- 8) kr26 tp: Rank in national household income distribution at Age 26 for children with two parents
- 9) c1823: College attendance at ages 18-23
- 10) c1823 f: College attendance at ages 18-23 for female children
- 11) c1823_m College attendance at ages 18-23 for male children
- 12) c1823 sp: College attendance at ages 18-23 for children with a single parent
- 13) c1823_tp: College attendance at ages 18-23 for children with two parents
- 14) kir26: Rank in national individual income distribution (i.e., including only own earnings) at Age 26
- 15) kir26_f: Rank in national individual income distribution at Age 26 for female children
- 16) kir26 m: Rank in national individual income sistribution at Age 26 for male children
- 17) kfi26: Dollar value of household income at Age 26
- 18) kfi26_f: Dollar value of household income at Age 26 for female children
- 19) kfi26 m: Dollar value of household income at Age 26 for male children
- 20) kii26: Dollar value of individual income at Age 26
- 21) kii26_f: Dollar value of individual income at Age 26 for female children
- 22) kii26 m: Dollar value of individual income at Age 26 for male children
- 23) km26: Being married at Age 26
- 24) kr26_sq: Rank in national household income distribution at Age 26 using quadratic specification to estimate relationship between child and parent rank
- 25) kr26_coli1996: Rank in national individual income distribution at Age 26 adjusted for cost-of-living estimates using parents location in 1996

The permanent resident's intergenerational mobility (referred as "perm_res" in the codebook) is defined for the outcomes described above as well as 38 additional outcomes, pooled or by cohort (referred to as "[cohort]" in the codebook).

- 26) c19: College attendance at age 19
- 27) c1820: College attendance at age 18-20
- 28) kr20: Rank in national household income distribution at age 20
- 29) kr21: Rank in national household income distribution at age 21
- 30) kr22: Rank in national household income distribution at age 22
- 31) kr23: Rank in national household income distribution at age 23
- 32) kr24: Rank in national household income distribution at age 24
- 33) kr25: Rank in national household income distribution at age 25
- 34) kr27: Rank in national household income distribution at age 27
- 35) kr28: Rank in national household income distribution at age 28
- 36) kr29: Rank in national household income distribution at age 29
- 37) kr30: Rank in national household income distribution at age 30
- 38) kr31: Rank in national household income distribution at age 31
- 39) kr32: Rank in national household income distribution at age 32
- 40) kr30_f: Rank in national household income distribution at age 30 for female children
- 41) kr30 m: Rank in national household income distribution at age 30 for male children
- 42) kir30: Rank in national individual income distribution at age 30
- 43) kir30_f: Rank in national individual income distribution at age 30 for female children
- 44) kir30 m: Rank in national individual income distribution at age 30 for male children
- 45) kfi30: Dollar value of household income at age 30
- 46) kfi30_f: Dollar value of household income at age 30 for female children
- 47) kfi30_m: Dollar value of household income at age 30 for male children
- 48) kii30: Dollar value of individual income at age 30
- 49) kii30 f: Dollar value of individual income at age 30 for female children
- 50) kii30_m: Dollar value of individual income at age 30 for male children
- 51) km30: Being married at age 30
- 52) km30 f: Being married at age 30 for female children
- 53) km30_m: Being married at age 30 for male children
- 54) p90_24: Probability of being above p 90 at age 24 using quadratic specification to estimate relationship between child and parent rank
- 55) p90_26: Probability of being above p 90 at age 26 using quadratic specification to estimate relationship between child and parent rank
- 56) p90_30: Probability of being above p 90 at age 30 using quadratic specification to estimate relationship between child and parent rank
- 57) kw24: Child worked at age 24 using quadratic specification to estimate relationship between child and parent rank
- 58) kw26: Child worked at age 26 using quadratic specification to estimate relationship between child and parent rank
- 59) kw30: Child worked at age 30 using quadratic specification to estimate relationship between child and parent rank
- 60) kr24 [cohort]: Rank in national household income distribution at age 24 by cohort
- 61) kr26_[cohort]: Rank in national household income distribution at age 26 by cohort
- 62) c1823 [cohort]: College attendance at ages 18-23 by cohort
- 63) c19 [cohort]: College attendance at age 19 by cohort

We provide the causal exposure effect estimates at two percentiles of the parent national income distribution (referred to as "[percentile]" in the codebook):

- 1) p25: parents at the 25th percentile of the national household income distribution (among parents with children in the same birth cohort)
- 2) p75: parents at the 75th percentile of the national household income distribution (among parents with children in the same birth cohort)

We provide a set of 47 covariates (referred to as [covariate] in the codebook):

- 1) cs_race_bla: Fraction Black
- 2) poor share: Poverty Rate
- 3) cs_race_theil_2000: Racial Segregation
- 4) cs00 seg inc: Income Segregation
- 5) cs00_seg_inc_pov25 : Segregation of Poverty (<p25)
- 6) cs00_seg_inc_aff75 : Segregation of Affluence (>p75)
- 7) frac_traveltime_lt15 : Fraction with Commute < 15 Mins
- 8) log pop density: Log. Population Density
- 9) hhinc00: Household Income per Capita
- 10) gini: Gini Coefficient
- 11) inc share 1perc: Top 1% Income Share
- 12) gini99: Gini Bottom 99%
- 13) frac_middleclass: Fraction Middle Class (between p25 and p75)
- 14) taxrate: Local Tax Rate
- 15) subcty_total_taxes_pc: Local Tax Rate Per Capita
- 16) subcty total expenditure pc: Local Govt Expenditures Per Capita
- 17) tax st diff top20: Tax Progressivity
- 18) eitc exposure: State EITC Exposure
- 19) ccd exp tot: School Expenditure per Student
- 20) ccd_pup_tch_ratio: Student Teacher Ratio
- 21) score_r: Test Score Percentile (Income adjusted)
- 22) dropout r: High School Dropout Rate (Income adjusted)
- 23) num_inst_pc: Number of Colleges per Capita
- 24) tuition: College Tuition
- 25) gradrate r: College Graduation Rate (Income Adjusted)
- 26) cs_labforce: Labor Force Participation
- 27) cs elf ind man: Share Working in Manufacturing
- 28) frac_worked1416: Teenage (14-16) Labor Force Participation
- 29) mig inflow: Migration Inflow Rate
- 30) mig outflow: Migration Outflow Rate
- 31) cs_born_foreign: Fraction Foreign Born
- 32) scap_ski90pcm: Social Capital Index
- 33) rel_tot: Fraction Religious
- 34) crime violent: Violent Crime Rate
- 35) crime_total: Total Crime Rate
- 36) cs fam wkidsinglemom: Fraction of Children with Single Mothers
- 37) cs divorced: Fraction of Adults Divorced
- 38) cs married: Fraction of Adults Married
- 39) median rent: Median Monthly Rent
- 40) rent p25: P25 of the Rent Distribution

- 41) rent p_75: P75 of the Rent Distribution
- 42) median_house_value: Median House Price
- 43) house_value_p25: P25 of the House Price Distribution
- 44) house_value_p75: P75 of the House Price Distribution
- 45) low_inc_ht: Location Affordability for very Low Income Families
- 46) median_inc_ht: Location Affordability for Median Income Families
- 47) unemp_rate: Unemployment Rate

Codebook

Variable	Туре	Description
cty1990	Num	County 1990 FIPS code
cty2000	Num	County 2000 FIPS code
cty_name	Char	County Name
cty_pop2000	Num	County Population in 2000 Census
CZ	Num	Commuting Zone Code
czname	Char	Commuting Zone Name
Pop2000	Num	Commuting Zone Population in 2000
		Census
statename	Char	State Name
state_id	Num	State Code
stateabbrv	Char	State Abbrevation
csa	Num	Combined Statistical Area Code
csa_name	Char	Combined Statistical Area Name
cbsa	Num	Core Based Statistical Area Code
cbsa_name	Char	Core Based Statistical Area Name
Intersects_msa	Num	Metropolitan Statistical Area Indicator
causal_[percentile]_cty_[outcome]	Num	County causal exposure effects
causal_[percentile]_cty_[outcome]_se	Num	County causal exposure effects –
		Standard Error
causal_[percentile]_cty_[outcome]_bs_se	Num	County causal exposure effects –
		Bootstrapped Standard Error
causal_[percentile]_cty_[outcome]_s1	Num	County causal exposure effects – Split
causal_[percentile]_cty_[outcome]_s2		Sample
causal_[percentile]_cz_cty_[outcome]	Num	County plus CZ Causal Exposure Effects
perm_res_[percentile]_[outcome]	Num	Stayers E-rank
[covariate]	Num	Covariate
[covariate]_st	Num	Standardized covariate (using population
		weights)
perm_res_par`i'_to_kid`j'	Num	Quintile Transition Matrix – Probability for
		a child whose parents belong to the
		income Quintile `j' to be in the income
		Quintile `i' at age 26
frac_1, frac_2, frac_3, frac_4, frac_5, frac_6,	Num	Fraction of Parents in each National
frac_7, frac_8, frac_9, frac_10		Income Decile