

Statistical and Regression Tables with Alternative Specifications for “Sports Participation and Happiness: Evidence from U.S. Micro Data”

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Table 1: Summary statistics

Variable	Mean	Std. Dev.
Self-reported satisfaction: Very Dissatisfied	0.01	0.102
Self-reported satisfaction: Dissatisfied	0.044	0.205
Self-reported satisfaction: Satisfied	0.495	0.5
Self-reported satisfaction: Very Satisfied	0.451	0.498
Participation in Physical Activity	0.765	0.424
Annual household income less than \$10,000	0.041	0.198
Annual household income \$10,001 to \$15,000	0.042	0.202
Annual household income \$15,001 to \$20,000	0.059	0.236
Annual household income \$20,001 to \$25,000	0.074	0.262
Annual household income \$25,001 to \$35,000	0.099	0.299
Annual household income \$35,001 to \$50,000	0.133	0.339
Annual household income \$50,001 to \$75,000	0.154	0.361
Annual household income more than \$75,000	0.284	0.451
Income is unknown	0.114	0.318
Male	0.485	0.5
Age	46.015	17.529
High School education or less	0.383	0.486
Edu: Some post-secondary	0.267	0.442
College or University Degree	0.35	0.477
Single/never married	0.187	0.39
Married	0.643	0.479
Divorced/Separated/Widowed	0.169	0.375
LFS: Work for pay	0.522	0.5

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Variable	Mean	Std. Dev.
Self Employed	0.085	0.279
Long term unemployed	0.023	0.148
Recently unemployed	0.037	0.189
LFS: Home maker	0.079	0.27
LFS: Student	0.048	0.213
LFS: Retired	0.159	0.365
Unable to work	0.048	0.214
Limitation on activity	0.191	0.393
Black	0.1	0.299
Hispanic	0.135	0.342
Other, non-Hispanic	0.052	0.223
Race: Multiracial; non-Hispanic	0.016	0.124

These are weighted statistics in our final sample of 1,589,266 observations.

Table 2: Summary Statistics - County Level Data

Variable	Mean	Std. Dev.	Min.	Max.
Sports facilities per 1000 residents	0.109	0.045	0	0.779
County: Median Household income	52009.8	13074.2	20252.0	107200.0
County: Population per square mile land	1949.535	6307.207	0.978	66951
County: Percent pop. in urban areas	81.344	22.523	0	100
County: Percent owner-occupied housing	66.291	10.938	19.5	89.400
County: Percent black population	11.719	12.385	0	84.7
County: Percent Hispanic population	12.491	14.729	0	98.100
County: Percent all minority	30.433	20.598	0.6	98.400

These are weighted statistics in our final sample after the county-level statistics have been merged into the BRFSS. There are 2,345 different counties in the final sample of 1,589,266 observations.

Table 3: Reduced Form Regression Predicting Self-reported Life Satisfaction and the First-Stage Regressions Predicting Participation in Physical Activity

Variables	LifeSatisfaction Participation	
	(1)	(2)
Sports facilities per 1000 residents	0.129 (0.042)***	0.141 (0.023)***
Annual household income less than \$10,000	-.134 (0.008)***	-.071 (0.006)***
Annual household income \$10,001 to \$15,000	-.114 (0.012)***	-.075 (0.005)***

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Variables	LifeSatisfaction Participation	
	(1)	(2)
Annual household income \$15,001 to \$20,000	-0.093 (0.005)***	-0.058 (0.004)***
Annual household income \$20,001 to \$25,000	-0.073 (0.005)***	-0.052 (0.004)***
Annual household income \$25,001 to \$35,000	-0.038 (0.005)***	-0.023 (0.004)***
Annual household income \$50,001 to \$75,000	0.06 (0.004)***	0.023 (0.002)***
Annual household income more than \$75,000	0.152 (0.004)***	0.055 (0.002)***
Income is unknown	0.021 (0.004)***	-0.021 (0.003)***
Male	-0.025 (0.002)***	0.034 (0.002)***
Age	-0.009 (0.0004)***	-0.0005 (0.0003)*
Age squared/100	0.011 (0.0004)***	-0.002 (0.0003)***
High School education or less	-0.023 (0.003)***	-0.077 (0.002)***
College or University Degree	0.064 (0.002)***	0.047 (0.002)***
Married	0.15 (0.004)***	-0.15 (0.003)***
Divorced/Separated/Widowed	-0.016 (0.004)***	-0.021 (0.003)***
Self Employed	0.017 (0.004)***	0.029 (0.002)***
Long term unemployed	-0.207 (0.008)***	0.007 (0.007)
Recently unemployed	-0.184 (0.007)***	0.016 (0.005)***
LFS: Home maker	0.031 (0.004)***	0.031 (0.003)***
LFS: Student	0.068 (0.007)***	0.065 (0.004)***
LFS: Retired	0.067 (0.003)***	0.065 (0.003)***
Unable to work	-0.210 (0.006)***	-0.117 (0.005)***
Limitation on activity	-0.242 (0.003)***	-0.119 (0.002)***
Black	-0.019 (0.004)***	-0.049 (0.004)***
Other, non-Hispanic	-0.060 (0.009)***	-0.061 (0.004)***
Hispanic	0.011 (0.006)**	-0.075 (0.003)***
Race: Multiracial; non-Hispanic	-0.045	0.004

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Variables	LifeSatisfaction Participation	
	(1)	(2)
	(0.01)***	(0.006)
County: Log Median Household income	-0.035 (0.008)***	0.001 (0.006)
County: Log pop. per square mile	-0.010 (0.002)***	-0.002 (0.001)
County: Percent pop. in urban areas	7.27e-06 (0.00008)	0.0002 (0.00006)***
County: Percent owner-occupied housing	0.0001 (0.0002)	-0.002 (0.0002)
County: Percent black population	0.0003 (0.0003)	-0.005 (0.0003)*
County: Percent Hispanic population	0.0002 (0.0003)	-0.007 (0.0003)**
County: Percent all minority	-0.0003 (0.0003)	0.0002 (0.0003)
State effects	included	included
Obs.	1589266	1589266
R^2	0.129	0.1

Notes: (1) the variables shown on the top row are dependent variables. (2) The numbers in the parentheses are standard errors. (3) *, **, and *** indicate statistical significance at 10%, 5% and 1% levels.

Table 4: IV Estimates, Self Reported Happiness and Participation in Physical Activity

Variable	Pooled	Male	Female
Fitted values	0.912 (0.3)***	1.215 (0.481)**	0.603 (0.252)**
Annual household income less than \$10,000	-0.069 (0.023)***	-0.028 (0.036)	-0.103 (0.019)***
Annual household income \$10,001 to \$15,000	-0.046 (0.025)*	0.003 (0.041)	-0.089 (0.019)***
Annual household income \$15,001 to \$20,000	-0.041 (0.018)**	-0.004 (0.029)	-0.076 (0.016)***
Annual household income \$20,001 to \$25,000	-0.026 (0.016)	0.005 (0.026)	-0.056 (0.014)***
Annual household income \$25,001 to \$35,000	-0.017 (0.008)**	-0.004 (0.013)	-0.031 (0.007)***
Annual household income \$50,001 to \$75,000	0.039 (0.008)***	0.034 (0.013)***	0.045 (0.007)***
Annual household income more than \$75,000	0.102 (0.017)***	0.088 (0.027)***	0.118 (0.015)***
Income is unknown	0.039 (0.007)***	0.054 (0.012)***	0.026 (0.007)***
Male	-0.056 (0.01)***		
Age	-0.008 (0.0004)***	-0.010 (0.0006)***	-0.006 (0.0005)***

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Variable	Pooled	Male	Female
Age squared	0.012 (0.0007)***	0.014 (0.001)***	0.01 (0.0007)***
High School education or less	0.047 (0.023)**	0.071 (0.037)*	0.021 (0.02)
College or University Degree	0.021 (0.014)	0.004 (0.023)	0.04 (0.012)***
Married	0.164 (0.006)***	0.198 (0.009)***	0.128 (0.007)***
Divorced/Separated/Widowed	0.002 (0.007)	0.013 (0.012)	-0.16 (0.007)**
Self Employed	-0.10 (0.009)	-0.27 (0.015)*	0.018 (0.009)**
Long term unemployed	-0.213 (0.008)***	-0.254 (0.014)***	-0.172 (0.008)***
Recently unemployed	-0.199 (0.009)***	-0.207 (0.015)***	-0.189 (0.011)***
LFS: Home maker	0.003 (0.01)	-0.096 (0.027)***	0.027 (0.009)***
LFS: Student	0.009 (0.022)	-0.002 (0.034)	0.023 (0.019)
LFS: Retired	0.007 (0.02)	-0.007 (0.032)	0.027 (0.017)
Unable to work	-0.103 (0.036)***	-0.074 (0.057)	-0.132 (0.03)***
Limitation on activity	-0.133 (0.036)***	-0.082 (0.057)	-0.183 (0.031)***
Black	0.026 (0.015)*	0.056 (0.024)**	-0.004 (0.013)
Other, non-Hispanic	-0.005 (0.021)	0.015 (0.034)	-0.025 (0.016)
Hispanic	0.079 (0.023)***	0.124 (0.036)***	0.032 (0.02)
Race: Multiracial; non-Hispanic	-0.048 (0.01)***	-0.038 (0.014)***	-0.060 (0.012)***
County: Log Median Household income	-0.036 (0.008)***	-0.042 (0.012)***	-0.034 (0.01)***
County: Log pop. per square mile	-0.009 (0.002)***	-0.009 (0.003)***	-0.009 (0.002)***
County: percentage pop. in urban areas	-0.0002 (0.0001)	-0.0003 (0.0002)**	-1.80e-07 (0.0001)
County: percent owner-occupied housing	0.0003 (0.0002)	0.0005 (0.0003)	0.0002 (0.0003)
County: Percentage black population	0.0008 (0.0003)**	0.0007 (0.0004)	0.0008 (0.0005)*
County: Percentage Hispanic population	0.0008 (0.0003)**	0.001 (0.0005)***	0.0003 (0.0005)
County: percentage all minority	-0.0004 (0.0003)	-0.0003 (0.0003)	-0.0006 (0.0004)
Obs.	1589266	600040	989226
R^2	0.129	0.128	0.132

Notes: (1) the variables shown on the top row are dependent variables. (2) The numbers in the parentheses are standard errors. (3) *, **, and *** indicate statistical significance at 10%, 5% and 1% levels.