

The Effect of Dissatisfaction and Homeownership on Voting in Two Surveys

Matthew J. Holian¹
San Jose State University
February 17, 2010

Abstract

This article explores the relationships between homeownership, dissatisfaction with city services, and voting turnout, using two sources of survey data.

Introduction

This paper uses the GSS and NRC data, described in DiPasquale and Glazer (1999) and Holian (2008), respectively, to estimate the following four models:

$$\text{VOTE}_i = b_2(\text{HOWNER}_i) + \text{XB} + \varepsilon_i \quad (1)$$

$$\text{VOTE}_i = b_3(\text{HOWNER}_i) + (\text{LOYAL}_i) \mathbf{B}_4 + \text{XB} + \varepsilon_i \quad (2)$$

$$\text{VOTE}_i = b_5(\text{DISSAT}_i) + \text{X}'\mathbf{B}' + \varepsilon_i \quad (3)$$

$$\text{VOTE}_i = b_6(\text{DISSAT}_i * \text{HOWNER}_i) + b_7(\text{DISSAT}_i * \text{RENTER}_i) + \text{X}'\mathbf{B}' + \varepsilon_i \quad (4)$$

¹ Contact information: Assistant Professor, Department of Economics, San Jose State University, One Washington Square, San Jose, CA 95192-0114. e-mail: matthew.holian@sjsu.edu. tel: 408-924-1371. fax: 408-924-5406. Thanks are due to Don Haurin, Trevor Brown, Massimo Morelli, Gene Mumy, Cameron Shelton, Jack Sexton, audiences at the Public Choice Society, APEE, and to Tom Miller of the National Research Center and for valuable assistance in obtaining data for this study.

where $VOTE_i$ is a dummy variable equal to one if the individual is coded as participatory; as we will explain, the precise measures for VOTE differs across the three surveys. $DISSAT_i$ is a dummy variable equal to one if the individual is dissatisfied with government performance; this variable too differs across surveys.² The remainder of the variables do not differ fundamentally across surveys: $HOWNER_i$ is equal to one if the individual is a homeowner, and $RENTER_i$ is equal to one if not. $LOYAL_i$ is a vector of dummy variables that indicate how long a respondent has lived in the jurisdiction (e.g. less than two years, two to four years, etc.) The matrix X contains standard socioeconomic control variables, described below. In equations (3) and (4), the matrix X' contains these control variables, plus $HOWNER_i$, and the variables in $LOYAL_i$. The vector B' is essentially the same as B , but it includes b_3 and the coefficients in B_4 .

References

1. DiPasquale and Glazer, 1999. "Incentives and Social Capital: Are Homeowners Better Citizens?" *Journal of Urban Economics*, Volume 45, Issue 2, 354-84.
2. Holian, Matthew, J., 2008. *Studies in the Political Economy of Local Government*. Ph.D. Dissertation, Department of Economics, Ohio State University, Columbus. On file at: <http://www.ohiolink.edu/etd>
3. Holian, Matthew, J., 2010. "Homeownership, Dissatisfaction and Voting" *working paper*, San Jose State University.

² Measures of the dissatisfaction variable are available from the city, state and federal levels. However, for most of what follows, we make exclusive use of city-level dissatisfaction. This is because it makes the most sense (these are local level satisfaction surveys.)

Appendix

Table 1 (full sample)

results, GSS data (OLS regression)

VARIABLES	locvote	locvote	locvote	locvote
DWELOWN	0.150*** (0.04)	0.142*** (0.04)	0.141*** (0.04)	0.146*** (0.04)
AGE_L_30	-0.197*** (0.04)	-0.185*** (0.04)	-0.184*** (0.04)	-0.185*** (0.04)
AGE_30_40	-0.0562 (0.04)	-0.0475 (0.04)	-0.0471 (0.04)	-0.0474 (0.04)
AGE_50_60	0.0844* (0.04)	0.0695 (0.04)	0.0699 (0.04)	0.0689 (0.04)
AGE_G_60	0.134*** (0.04)	0.122*** (0.04)	0.121*** (0.04)	0.119*** (0.04)
RACE	0.0129 (0.04)	0.0104 (0.04)	0.0118 (0.04)	0.0105 (0.04)
GENDER	-0.0131 (0.02)	-0.0132 (0.02)	-0.0136 (0.02)	-0.0137 (0.02)
MARITAL	-0.0694** (0.03)	-0.0666** (0.03)	-0.0665** (0.03)	-0.0664** (0.03)
EDUC_L_12	-0.104*** (0.03)	-0.109*** (0.03)	-0.110*** (0.03)	-0.109*** (0.03)
EDUC_G_16	0.144*** (0.03)	0.157*** (0.03)	0.157*** (0.03)	0.158*** (0.03)
citysize	1.80E-09 (0.00)	-5.33E-10 (0.00)	-4.69E-10 (0.00)	-5.40E-10 (0.00)
income	0.0178*** (0.01)	0.0176*** (0.01)	0.0172*** (0.01)	0.0170*** (0.01)
childs	0.0130* (0.01)	0.0125 (0.01)	0.0128 (0.01)	0.0128 (0.01)
dwelling_detach	0.0722 (0.04)	0.0579 (0.05)	0.0567 (0.05)	0.0552 (0.05)
dwelling_attached	0.112* (0.06)	0.0978 (0.06)	0.0953 (0.06)	0.0943 (0.06)
dwelling_row	0.192*** (0.07)	0.198*** (0.07)	0.197*** (0.07)	0.195*** (0.07)
dwelling_aprt	-0.000665 (0.06)	0.000829 (0.06)	-0.000554 (0.06)	-0.00149 (0.06)
LOCLIVED_L_1		-0.0147 (0.05)	-0.0115 (0.05)	-0.0149 (0.05)
LOCLIVED_1_3		-0.0987** (0.04)	-0.0977** (0.04)	-0.0973** (0.04)
LOCLIVED_4_10		-0.0454 (0.04)	-0.0458 (0.04)	-0.0461 (0.04)
LOCLIVED_G_10		0.0167 (0.03)	0.0168 (0.03)	0.0159 (0.03)
interacthd				-0.0853 (0.08)
interactrd				0.000947 (0.07)
DISSAT			-0.0379 -0.0538	
Constant	0.377*** -0.0754	0.413*** -0.0807	0.420*** -0.0812	0.420*** -0.0813
Observations	1266	1266	1266	1266
R-squared	0.171	0.177	0.177	0.178

Summary Statistics, GSS

Table 2 (full GSS sample)

Variable	Obs	Mean	Std. Dev.	Min	Max
DISSAT	1266	0.054502	0.227096	0	1
interactrd	1266	0.023697	0.152163	0	1
interactrd	1266	0.030806	0.172859	0	1
LOCVOTE	1266	0.692733	0.461543	0	1
DWELOWN	1266	0.673776	0.469016	0	1
AGE_L_30	1266	0.21564	0.411428	0	1
AGE_30_40	1266	0.250395	0.433412	0	1
AGE_50_60	1266	0.124803	0.330626	0	1
AGE_G_60	1266	0.219589	0.414132	0	1
RACE	1266	0.125592	0.33152	0	1
GENDER	1266	0.448657	0.497554	0	1
MARITAL	1266	0.563191	0.496187	0	1
EDUC_L_12	1266	0.239337	0.426847	0	1
EDUC_G_16	1266	0.210901	0.408109	0	1
CITYSIZE	1266	364474.7	1199757	0	7072000
INCOME	1266	10.06714	2.74953	1	12
CHILDS	1266	1.942338	1.831389	0	8
DWELLING_D	1266	0.661137	0.47351	0	1
DWELLING_A_D	1266	0.067931	0.251726	0	1
DWELLING_ROW	1266	0.041864	0.200358	0	1
DWELLING_APT	1266	0.14534	0.352582	0	1
LOCLIVED_L_1	1266	0.088468	0.284086	0	1
LOCLIVED_1_3	1266	0.154028	0.361119	0	1
LOCLIVED_4_10	1266	0.181675	0.385729	0	1
LOCLIVED_G_10	1266	0.376777	0.48477	0	1

Table 3 (full NRC sample) results, NRC (Probit)

VARIABLES	VOTED	VOTED	VOTED	VOTED
HOWNER	0.0692*** (0.02)	0.0472** (0.02)	0.0473** (0.02)	0.0509** (0.02)
AGE_1	-0.170*** (0.05)	-0.102** (0.04)	-0.103** (0.04)	-0.104** (0.04)
AGE_2	-0.115*** (0.03)	-0.0581** (0.03)	-0.0579** (0.03)	-0.0581** (0.03)
AGE_3	0.0651*** (0.02)	-0.0442** (0.02)	-0.0441** (0.02)	-0.0445** (0.02)
AGE_5	0.0766*** (0.02)	0.0729*** (0.02)	0.0730*** (0.02)	0.0729*** (0.02)
AGE_6	0.103*** (0.02)	0.0990*** (0.02)	0.0992*** (0.02)	0.0991*** (0.02)
AGE_7	0.132*** (0.02)	0.128*** (0.02)	0.128*** (0.02)	0.128*** (0.02)
MALE	0.00906 (0.01)	0.0103 (0.01)	0.0102 (0.01)	0.0103 (0.01)
BLACK	0.0726*** (0.02)	0.0824*** (0.02)	0.0825*** (0.02)	0.0820*** (0.02)
DWELL_1	0.0507** (0.03)	0.0273 (0.02)	0.0272 (0.02)	0.0269 (0.02)
DWELL_2	0.029 (0.03)	0.016 (0.03)	0.0161 (0.03)	0.0162 (0.03)
DWELL_4	-0.0021 (0.05)	-0.0114 (0.05)	-0.0116 (0.05)	-0.0119 (0.05)
DWELL_5	0.0383 (0.06)	0.00604 (0.07)	0.00539 (0.07)	0.00365 (0.07)
EDUC_1	-0.208*** (0.04)	-0.223*** (0.04)	-0.223*** (0.04)	-0.222*** (0.04)
EDUC_2	-0.105*** (0.02)	-0.116*** (0.03)	-0.115*** (0.03)	-0.115*** (0.03)
EDUC_4	-0.00658 (0.03)	-0.00601 (0.03)	-0.00588 (0.03)	-0.00576 (0.03)
EDUC_5	0.0458** (0.02)	0.0501*** (0.02)	0.0502*** (0.02)	0.0506*** (0.02)
EDUC_6	0.0154 (0.02)	0.0302 (0.02)	0.0302 (0.02)	0.0307 (0.02)
INC_1	-0.105*** (0.03)	-0.112*** (0.03)	-0.112*** (0.03)	-0.112*** (0.03)
INC_2	-0.0267 (0.02)	-0.0241 (0.02)	-0.0242 (0.02)	-0.024 (0.02)
INC_4	0.0439** (0.02)	0.0470** (0.02)	0.0470** (0.02)	0.0469** (0.02)
CHILD	0.00401 (0.01)	0.00328 (0.01)	0.00332 (0.01)	0.00337 (0.01)
LENGTH_L_2		-0.251*** (0.04)	-0.251*** (0.04)	-0.251*** (0.04)
LENGTH_2_5		-0.132*** (0.03)	-0.132*** (0.03)	-0.133*** (0.03)
LENGTH_11_20		-0.0144 (0.03)	-0.0144 (0.03)	-0.015 (0.03)
LENGTH_M_20		-0.00714 (0.02)	-0.00719 (0.02)	-0.00734 (0.02)
interacthd				-0.00502 (0.03)
interactrd				0.0219 (0.04)
DISSAT			0.00304 (0.02)	
Observations	3801	3801	3801	3801
Pseudo R2	0.1021	0.1241	0.1241	0.1214

Table 4, summary statistics NRC data (full sample)

Variable	Obs	Mean	Std. Dev.	Min	Max
DISSAT	3801	0.109708	0.312567	0	1
interacthd	3801	0.083662	0.276917	0	1
interactrd	3801	0.026046	0.159292	0	1
VOTED	3801	0.777164	0.416204	0	1
HOWNER	3801	0.789266	0.407884	0	1
AGE_1	3801	0.037885	0.190943	0	1
AGE_2	3801	0.12523	0.331023	0	1
AGE_3	3801	0.201789	0.401388	0	1
AGE_5	3801	0.19337	0.394993	0	1
AGE_6	3801	0.117864	0.322489	0	1
AGE_7	3801	0.088135	0.283528	0	1
MALE	3801	0.45488	0.498026	0	1
BLACK	3801	0.063141	0.243249	0	1
DWELL_1	3801	0.766114	0.423356	0	1
DWELL_2	3801	0.071297	0.257354	0	1
DWELL_4	3801	0.01789	0.132569	0	1
DWELL_5	3801	0.008156	0.089952	0	1
EDUC_1	3801	0.051302	0.220643	0	1
EDUC_2	3801	0.1618	0.368315	0	1
EDUC_4	3801	0.09629	0.295028	0	1
EDUC_5	3801	0.25046	0.433335	0	1
EDUC_6	3801	0.205735	0.404291	0	1
INC_1	3801	0.161273	0.367831	0	1
INC_2	3801	0.271508	0.444796	0	1
INC_4	3801	0.217574	0.412651	0	1
CHILD	3801	0.429098	0.623897	0	2
LENGTH_L_2	3801	0.083136	0.276124	0	1
LENGTH_2_5	3801	0.159169	0.365881	0	1
LENGTH_11_20	3801	0.181531	0.385508	0	1
LENGTH_M_20	3801	0.443304	0.496841	0	1

The rest of the tables report the NRC estimates (and summaries) by jurisdiction
(JID)

results jid=40

VARIABLES	VOTED	VOTED	VOTED	VOTED
HOWNER	0.161 (0.11)	0.109 (0.11)	0.113 (0.11)	0.0978 (0.11)
AGE_1	-0.257 (0.19)	-0.217 (0.19)	-0.213 (0.19)	-0.208 (0.19)
AGE_2	-0.277** (0.12)	-0.253** (0.12)	-0.249** (0.12)	-0.254** (0.12)
AGE_3	-0.167 (0.11)	-0.157 (0.11)	-0.159 (0.11)	-0.158 (0.11)
AGE_5	0.131* (0.07)	0.146** (0.06)	0.149** (0.06)	0.150** (0.06)
AGE_6	0.122* (0.07)	0.137** (0.07)	0.141** (0.07)	0.143** (0.07)
AGE_7	0.0619 (0.11)	0.0748 (0.10)	0.0788 (0.10)	0.0823 (0.10)
MALE	0.166*** (0.05)	0.174*** (0.05)	0.171*** (0.05)	0.169*** (0.05)
BLACK	0.125** (0.06)	0.138** (0.05)	0.137** (0.05)	0.139** (0.05)
DWELL_1	-0.0244 (0.09)	-0.0373 (0.09)	-0.0391 (0.09)	-0.038 (0.09)
DWELL_2	0.128 (0.08)	0.140* (0.07)	0.140* (0.07)	0.138* (0.07)
DWELL_4	-0.117 (0.23)	-0.124 (0.23)	-0.124 (0.23)	-0.117 (0.23)
EDUC_1	-0.0437 (0.14)	-0.0683 (0.15)	-0.0669 (0.15)	-0.0686 (0.15)
EDUC_2	-0.145 (0.10)	-0.168 (0.10)	-0.168 (0.11)	-0.168 (0.11)
EDUC_4	0.136** (0.06)	0.138** (0.06)	0.141** (0.06)	0.140** (0.06)
EDUC_5	0.176*** (0.05)	0.185*** (0.05)	0.183*** (0.05)	0.185*** (0.05)
EDUC_6	0.179*** (0.05)	0.175*** (0.05)	0.177*** (0.05)	0.177*** (0.05)
INC_1	-0.277** (0.13)	-0.298** (0.14)	-0.297** (0.14)	-0.301** (0.14)
INC_2	-0.174** (0.08)	-0.178** (0.08)	-0.183** (0.08)	-0.186** (0.08)
INC_4	-0.097 (0.11)	-0.0484 (0.11)	-0.0536 (0.11)	-0.056 (0.11)
CHILD	0.140*** (0.05)	0.133** (0.05)	0.135** (0.06)	0.135** (0.06)
LENGTH_L_2		-0.471*** (0.16)	-0.484*** (0.16)	-0.477*** (0.16)
LENGTH_2_5		-0.111 (0.14)	-0.112 (0.14)	-0.112 (0.14)
LENGTH_11_20		-0.129 (0.14)	-0.134 (0.14)	-0.129 (0.14)
LENGTH_M_20		-0.0872 (0.10)	-0.0902 (0.10)	-0.0899 (0.10)
interacthd				0.0728 (0.09)
interactrd				0.0068 (0.15)
DISSAT			0.0503 (0.08)	
Observations	290	290	290	290

results_jid=74

VARIABLES	VOTED	VOTED	VOTED	VOTED
HOWNER	0.0777 (0.08)	0.063 (0.08)	0.0631 (0.08)	0.0689 (0.09)
AGE_1	-0.101 (0.09)	-0.0793 (0.10)	-0.0793 (0.10)	-0.0782 (0.10)
AGE_2	-0.157* (0.09)	-0.175* (0.09)	-0.175* (0.09)	-0.176* (0.09)
AGE_3	-0.193** (0.08)	-0.220** (0.09)	-0.220** (0.09)	-0.220** (0.09)
AGE_5	0.0181 (0.06)	0.0313 (0.06)	0.0313 (0.06)	0.0311 (0.06)
AGE_6	0.0594 (0.07)	0.075 (0.06)	0.075 (0.06)	0.0757 (0.06)
AGE_7	0.0990* (0.05)	0.109** (0.05)	0.109** (0.05)	0.110** (0.05)
MALE	0.0544 (0.04)	0.0475 (0.04)	0.0474 (0.04)	0.0472 (0.04)
BLACK	-0.228 (0.27)	-0.155 (0.26)	-0.155 (0.26)	-0.151 (0.26)
DWELL_1	-0.00695 (0.08)	0.00412 (0.08)	0.00378 (0.08)	0.00139 (0.08)
DWELL_2	0.0682 (0.06)	0.0601 (0.06)	0.0602 (0.06)	0.0608 (0.06)
DWELL_4	-0.0261 (0.25)	-0.193 (0.35)	-0.195 (0.35)	-0.194 (0.36)
DWELL_5	-0.228 (0.37)	-0.35 (0.39)	-0.352 (0.39)	-0.344 (0.39)
EDUC_1	-0.0109 (0.11)	-0.00618 (0.11)	-0.00653 (0.11)	-0.00466 (0.11)
EDUC_2	-0.0664 (0.06)	-0.0611 (0.06)	-0.0606 (0.06)	-0.0597 (0.06)
EDUC_4	0.0773 (0.05)	0.079 (0.05)	0.0791 (0.05)	0.08 (0.05)
EDUC_5	0.127*** (0.04)	0.115*** (0.04)	0.115*** (0.04)	0.116*** (0.04)
EDUC_6	0.156*** (0.04)	0.149*** (0.04)	0.149*** (0.04)	0.150*** (0.04)
INC_1	0.0238 (0.06)	0.00926 (0.06)	0.00878 (0.06)	0.00773 (0.06)
INC_2	0.128*** (0.05)	0.119** (0.05)	0.119** (0.05)	0.119** (0.05)
INC_4	0.167*** (0.04)	0.157*** (0.05)	0.157*** (0.05)	0.157*** (0.05)
CHILD	0.0406 (0.04)	0.0299 (0.04)	0.0299 (0.04)	0.0296 (0.04)
LENGTH_L_2		-0.197 (0.15)	-0.198 (0.15)	-0.199 (0.15)
LENGTH_2_5		-0.253** (0.12)	-0.253** (0.12)	-0.254** (0.12)
LENGTH_11_20		-0.107 (0.11)	-0.108 (0.11)	-0.109 (0.11)
LENGTH_M_20		-0.186** (0.08)	-0.187** (0.08)	-0.187** (0.08)
interacthd				-0.00811 (0.08)
interactrd				0.0226 (0.10)
DISSAT			0.00278 (0.06)	
Observations	471	471	471	471

results_jid=24

VARIABLES	VOTED	VOTED	VOTED	VOTED
HOWNER	0.0525 (0.08)	0.024 (0.08)	0.0252 (0.08)	0.0347 (0.08)
AGE_1	-0.178 (0.39)	-0.265 (0.44)	-0.277 (0.44)	-0.284 (0.44)
AGE_2	-0.183* (0.10)	-0.00302 (0.09)	-0.0104 (0.09)	-0.0123 (0.09)
AGE_3	-0.0373 (0.06)	0.0294 (0.05)	0.0237 (0.06)	0.0223 (0.06)
AGE_5	0.0693 (0.05)	0.071 (0.05)	0.0692 (0.05)	0.0702 (0.05)
AGE_6	0.120** (0.05)	0.105* (0.06)	0.101* (0.06)	0.0998* (0.06)
AGE_7	0.0829 (0.06)	0.0889 (0.06)	0.0872 (0.06)	0.0867 (0.06)
MALE	-0.0375 (0.04)	-0.0259 (0.04)	-0.0206 (0.04)	-0.0208 (0.04)
BLACK	0.103 (0.14)	0.168*** (0.06)	0.168** (0.07)	0.169*** (0.06)
DWELL_1	0.091 (0.07)	0.11 (0.08)	0.112 (0.08)	0.116 (0.08)
DWELL_2	-0.11 (0.11)	-0.0535 (0.11)	-0.0526 (0.11)	-0.0512 (0.11)
DWELL_5	0.0142 (0.18)	0.018 (0.18)	0.0269 (0.18)	0.0346 (0.18)
EDUC_1	-0.291 (0.20)	-0.272 (0.20)	-0.258 (0.20)	-0.251 (0.20)
EDUC_2	-0.242** (0.12)	-0.2 (0.12)	-0.204* (0.12)	-0.205* (0.12)
EDUC_4	-0.123 (0.13)	-0.0896 (0.13)	-0.0913 (0.13)	-0.0948 (0.13)
EDUC_5	0.0729 (0.07)	0.0955 (0.07)	0.0965 (0.07)	0.0967 (0.07)
EDUC_6	0.0118 (0.07)	0.0323 (0.07)	0.0345 (0.07)	0.0336 (0.07)
INC_1	0.00103 (0.08)	-0.0145 (0.09)	-0.00972 (0.09)	-0.00732 (0.09)
INC_2	-0.00636 (0.07)	0.00503 (0.07)	0.00657 (0.07)	0.00925 (0.07)
INC_4	-0.024 (0.05)	-0.0211 (0.05)	-0.0215 (0.05)	-0.0211 (0.05)
CHILD	0.0125 (0.04)	-0.00945 (0.04)	-0.01 (0.04)	-0.00954 (0.04)
LENGTH_L_2		-0.469*** (0.11)	-0.467*** (0.11)	-0.463*** (0.12)
LENGTH_2_5		-0.393*** (0.10)	-0.387*** (0.10)	-0.392*** (0.10)
LENGTH_11_20		-0.12 (0.08)	-0.122 (0.08)	-0.126 (0.08)
LENGTH_M_20		-0.140** (0.07)	-0.138** (0.07)	-0.140** (0.07)
interacthd				-0.0609 (0.07)
interactrd				0.0316 (0.17)
DISSAT			-0.0513 (0.06)	
Observations	532	532	532	532

results jid=99

VARIABLES	VOTED	VOTED	VOTED	VOTED
HOWNER	-0.00606 (0.07)	-0.00245 (0.07)	-0.0204 (0.06)	-0.00626 (0.07)
AGE_1	-0.0459 (0.13)	0.00581 (0.11)	-0.0302 (0.13)	-0.0274 (0.13)
AGE_2	0.0191 (0.06)	0.0424 (0.05)	0.0371 (0.05)	0.0352 (0.05)
AGE_3	-0.0389 (0.07)	-0.0165 (0.06)	-0.0256 (0.06)	-0.0327 (0.07)
AGE_5	0.0708 (0.05)	0.0810* (0.05)	0.0744* (0.05)	0.0744 (0.05)
AGE_6	0.0629 (0.05)	0.0678 (0.05)	0.0647 (0.05)	0.0639 (0.05)
AGE_7	0.109*** (0.04)	0.112*** (0.04)	0.109*** (0.03)	0.110*** (0.04)
MALE	0.0532 (0.04)	0.0563 (0.04)	0.0385 (0.04)	0.0388 (0.04)
BLACK	0.0698 (0.06)	0.0515 (0.06)	0.0511 (0.06)	0.0536 (0.06)
DWELL_1	0.147 (0.10)	0.132 (0.10)	0.155 (0.10)	0.154 (0.10)
DWELL_2	0.0794 (0.05)	0.0879* (0.05)	0.0862** (0.04)	0.0911** (0.04)
DWELL_4	-0.0154 (0.12)	-0.0266 (0.12)	-0.0261 (0.12)	-0.0239 (0.12)
DWELL_5	-0.0044 (0.18)	0.0108 (0.16)	-0.216 (0.31)	-0.329 (0.38)
EDUC_1	-0.143 (0.18)	-0.189 (0.19)	-0.212 (0.20)	-0.206 (0.20)
EDUC_2	-0.188* (0.10)	-0.194* (0.10)	-0.172* (0.10)	-0.180* (0.10)
EDUC_4	0.00376 (0.07)	0.0127 (0.07)	0.0205 (0.06)	0.0266 (0.07)
EDUC_5	-0.0527 (0.06)	-0.0403 (0.06)	-0.0413 (0.06)	-0.0414 (0.06)
EDUC_6	-0.0191 (0.07)	-0.00344 (0.07)	-0.00996 (0.06)	-0.0113 (0.07)
INC_1	-0.0563 (0.09)	-0.0471 (0.09)	-0.0462 (0.08)	-0.0452 (0.09)
INC_2	-0.0117 (0.05)	-0.0103 (0.05)	-0.012 (0.05)	-0.00876 (0.05)
INC_4	0.0566 (0.05)	0.0393 (0.05)	0.0435 (0.05)	0.0453 (0.05)
CHILD	-0.0574 (0.04)	-0.0602 (0.04)	-0.052 (0.04)	-0.0578 (0.04)
LENGTH_L_2		-0.205* (0.11)	-0.214** (0.11)	-0.234** (0.11)
LENGTH_2_5		-0.152* (0.09)	-0.150* (0.09)	-0.154* (0.09)
LENGTH_11_20		-0.0417 (0.08)	-0.0512 (0.08)	-0.0591 (0.08)
LENGTH_M_20		-0.1 (0.08)	-0.108 (0.08)	-0.115 (0.08)
DISSAT			0.130*** (0.03)	
interacthd				0.113*** (0.04)
Observations	364	364	364	356

results jid=40b

VARIABLES	VOTED	VOTED	VOTED	VOTED
HOWNER	0.0374 (0.09)	0.0337 (0.09)	0.0344 (0.09)	0.0338 (0.09)
AGE_1	-0.00713 (0.14)	-0.125 (0.20)	-0.127 (0.20)	-0.127 (0.20)
AGE_2	-0.202* (0.12)	-0.219* (0.13)	-0.221* (0.13)	-0.221* (0.13)
AGE_3	0.0373 (0.08)	-0.0154 (0.09)	-0.0182 (0.09)	-0.0185 (0.09)
AGE_5	0.160*** (0.05)	0.138** (0.06)	0.136** (0.06)	0.135** (0.06)
AGE_6	0.157*** (0.05)	0.113* (0.06)	0.112* (0.06)	0.112* (0.06)
MALE	-0.04 (0.06)	-0.0407 (0.06)	-0.0407 (0.06)	-0.0406 (0.06)
BLACK	0.0513 (0.07)	0.0232 (0.07)	0.0235 (0.07)	0.0236 (0.07)
DWELL_1	0.204 (0.13)	0.12 (0.13)	0.119 (0.13)	0.118 (0.13)
DWELL_2	-0.0195 (0.12)	-0.087 (0.15)	-0.0839 (0.15)	-0.0844 (0.15)
DWELL_4	0.164*** (0.04)	0.132* (0.07)	0.129* (0.07)	0.129* (0.07)
EDUC_1	-0.0754 (0.17)	-0.117 (0.18)	-0.118 (0.18)	-0.118 (0.18)
EDUC_2	0.0612 (0.07)	0.033 (0.08)	0.0351 (0.08)	0.0347 (0.08)
EDUC_4	0.0354 (0.09)	0.00149 (0.10)	0.00398 (0.10)	0.00417 (0.10)
EDUC_5	0.0873 (0.07)	0.0492 (0.07)	0.0527 (0.07)	0.0525 (0.07)
EDUC_6	0.0475 (0.08)	0.0306 (0.08)	0.0333 (0.08)	0.0333 (0.08)
INC_1	-0.116 (0.11)	-0.114 (0.11)	-0.113 (0.11)	-0.113 (0.11)
INC_2	-0.0387 (0.07)	-0.0176 (0.07)	-0.0176 (0.07)	-0.0175 (0.07)
INC_4	0.0817 (0.07)	0.0904 (0.07)	0.089 (0.07)	0.089 (0.07)
CHILD	0.0677 (0.05)	0.0565 (0.05)	0.0572 (0.05)	0.0574 (0.05)
LENGTH_L_2		-0.26 (0.17)	-0.257 (0.17)	-0.258 (0.17)
LENGTH_2_5		0.0989 (0.07)	0.0984 (0.07)	0.0986 (0.07)
LENGTH_11_20		0.0642 (0.08)	0.0663 (0.08)	0.0661 (0.08)
LENGTH_M_20		0.102 (0.08)	0.106 (0.08)	0.106 (0.08)
interacthd				0.0327 (0.09)
interactrd				0.0263 (0.16)
DISSAT			0.0312 (0.08)	
Observations	245	245	245	245

results jid=64

VARIABLES	VOTED	VOTED	VOTED	VOTED
HOWNER	0.0985* (0.05)	0.0646 (0.05)	0.0662 (0.05)	0.0666 (0.05)
AGE_1	-0.240** (0.10)	-0.213** (0.10)	-0.215** (0.10)	-0.216** (0.10)
AGE_2	-0.132** (0.06)	-0.0668 (0.06)	-0.0558 (0.06)	-0.0557 (0.06)
AGE_3	-0.154*** (0.06)	-0.119** (0.06)	-0.114** (0.06)	-0.114** (0.06)
AGE_5	0.0385 (0.06)	0.0182 (0.06)	0.0237 (0.06)	0.0236 (0.06)
AGE_6	0.218*** (0.04)	0.207*** (0.04)	0.209*** (0.04)	0.209*** (0.04)
AGE_7	0.182*** (0.05)	0.141** (0.07)	0.150** (0.06)	0.150** (0.06)
MALE	-0.0269 (0.03)	-0.027 (0.03)	-0.0279 (0.03)	-0.0279 (0.03)
DWELL_1	0.0116 (0.05)	-0.0213 (0.05)	-0.023 (0.05)	-0.023 (0.05)
DWELL_2	-0.0272 (0.07)	-0.0724 (0.07)	-0.0661 (0.07)	-0.066 (0.07)
DWELL_4	-0.161 (0.14)	-0.154 (0.14)	-0.152 (0.14)	-0.152 (0.14)
EDUC_1	-0.154* (0.09)	-0.14 (0.09)	-0.149 (0.09)	-0.149 (0.09)
EDUC_2	-0.0227 (0.06)	-0.0223 (0.06)	-0.0179 (0.06)	-0.0179 (0.06)
EDUC_4	0.00709 (0.06)	0.0207 (0.05)	0.0227 (0.05)	0.0226 (0.05)
EDUC_5	0.0941** (0.05)	0.113*** (0.04)	0.112*** (0.04)	0.112*** (0.04)
EDUC_6	0.00583 (0.06)	0.0264 (0.06)	0.0265 (0.06)	0.0266 (0.06)
INC_1	-0.216*** (0.08)	-0.225*** (0.08)	-0.227*** (0.08)	-0.227*** (0.08)
INC_2	-0.119** (0.05)	-0.123** (0.05)	-0.124** (0.05)	-0.124** (0.05)
INC_4	0.160*** (0.04)	0.164*** (0.04)	0.167*** (0.04)	0.167*** (0.04)
CHILD	0.0103 (0.03)	0.0111 (0.03)	0.0175 (0.03)	0.0175 (0.03)
LENGTH_L_2		-0.236*** (0.09)	-0.232*** (0.09)	-0.231*** (0.09)
LENGTH_2_5		-0.161** (0.07)	-0.160** (0.07)	-0.160** (0.07)
LENGTH_11_20		-0.0399 (0.06)	-0.0447 (0.06)	-0.0447 (0.06)
LENGTH_M_20		0.0545 (0.06)	0.052 (0.06)	0.0521 (0.06)
interacthd				0.106* (0.06)
interactrd				0.107 (0.07)
DISSAT			0.109** (0.05)	
Observations	669	669	669	669

results jid=58b

VARIABLES	VOTED	VOTED	VOTED	VOTED
HOWNER	0.0995* (0.06)	0.0871 (0.06)	0.0712 (0.06)	0.0894 (0.06)
AGE_1	-0.395*** (0.14)	-0.330** (0.15)	-0.314** (0.15)	-0.322** (0.15)
AGE_2	-0.115 (0.07)	-0.0571 (0.07)	-0.0657 (0.07)	-0.0682 (0.07)
AGE_3	-0.0414 (0.06)	-0.0264 (0.06)	-0.0274 (0.06)	-0.0297 (0.06)
AGE_5	0.101*** (0.04)	0.0945** (0.04)	0.0955** (0.04)	0.0934** (0.04)
AGE_6	0.104*** (0.04)	0.0894** (0.04)	0.0864** (0.04)	0.0852** (0.04)
AGE_7	0.146*** (0.03)	0.132*** (0.03)	0.126*** (0.03)	0.123*** (0.03)
MALE	-0.0441 (0.04)	-0.0428 (0.03)	-0.0428 (0.03)	-0.0403 (0.03)
BLACK	0.0728** (0.04)	0.0774** (0.03)	0.0735** (0.03)	0.0738** (0.03)
DWELL_1	-0.00454 (0.06)	-0.035 (0.06)	-0.0239 (0.06)	-0.0293 (0.06)
DWELL_2	-0.0673 (0.09)	-0.11 (0.10)	-0.106 (0.10)	-0.11 (0.10)
DWELL_5	0.041 (0.11)	0.00747 (0.13)	0.0313 (0.12)	0.0173 (0.12)
EDUC_1	-0.333*** (0.08)	-0.370*** (0.08)	-0.379*** (0.08)	-0.376*** (0.08)
EDUC_2	-0.162*** (0.05)	-0.170*** (0.05)	-0.175*** (0.05)	-0.177*** (0.05)
EDUC_4	-0.0256 (0.07)	-0.00524 (0.07)	-0.0111 (0.07)	-0.0106 (0.07)
EDUC_5	-0.0666 (0.07)	-0.06 (0.07)	-0.0684 (0.07)	-0.068 (0.07)
EDUC_6	-0.065 (0.09)	-0.039 (0.09)	-0.0487 (0.09)	-0.0491 (0.09)
INC_1	-0.196*** (0.06)	-0.199*** (0.07)	-0.198*** (0.07)	-0.198*** (0.07)
INC_2	-0.0775* (0.05)	-0.0738 (0.05)	-0.0722 (0.05)	-0.0733 (0.05)
INC_4	0.118** (0.05)	0.129*** (0.04)	0.128*** (0.04)	0.128*** (0.04)
CHILD	0.0209 (0.03)	0.0312 (0.03)	0.0346 (0.03)	0.0356 (0.03)
LENGTH_L_2		-0.0861 (0.09)	-0.0882 (0.09)	-0.0848 (0.09)
LENGTH_2_5		0.0566 (0.06)	0.0547 (0.06)	0.0544 (0.06)
LENGTH_11_20		0.0476 (0.06)	0.0421 (0.06)	0.0437 (0.06)
LENGTH_M_20		0.149** (0.06)	0.144** (0.06)	0.145** (0.06)
interacthd				-0.150* (0.08)
interactrd				-0.0518 (0.08)
DISSAT			-0.108* (0.06)	
Observations	597	597	597	597

results jid=27

VARIABLES	VOTED	VOTED	VOTED	VOTED
HOWNER	0.261** (0.13)	0.270** (0.13)	0.268** (0.13)	0.268** (0.14)
AGE_1	-0.413 (0.33)	-0.309 (0.35)	-0.309 (0.35)	-0.309 (0.35)
AGE_2	-0.129 (0.09)	-0.000705 (0.08)	0.000158 (0.08)	0.000166 (0.08)
AGE_3	-0.0599 (0.07)	-0.0402 (0.07)	-0.0382 (0.07)	-0.0382 (0.07)
AGE_5	0.217*** (0.05)	0.207*** (0.05)	0.207*** (0.05)	0.207*** (0.05)
AGE_6	0.164*** (0.05)	0.190*** (0.04)	0.191*** (0.04)	0.191*** (0.04)
AGE_7	0.168*** (0.06)	0.168*** (0.05)	0.169*** (0.05)	0.169*** (0.05)
MALE	0.0808* (0.05)	0.0971** (0.05)	0.0968** (0.05)	0.0968** (0.05)
BLACK	0.00482 (0.13)	-0.00501 (0.13)	-0.000969 (0.13)	-0.000993 (0.13)
DWELL_1	0.0879 (0.20)	-0.0397 (0.15)	-0.0358 (0.16)	-0.0356 (0.16)
DWELL_2	0.228*** (0.03)	0.208*** (0.03)	0.209*** (0.03)	0.209*** (0.03)
DWELL_4	0.169* (0.10)	0.169** (0.08)	0.171** (0.08)	0.171** (0.08)
EDUC_1	-0.434** (0.21)	-0.419* (0.22)	-0.416* (0.22)	-0.416* (0.22)
EDUC_2	-0.262** (0.11)	-0.317*** (0.11)	-0.315*** (0.11)	-0.315*** (0.11)
EDUC_4	-0.153 (0.10)	-0.166* (0.10)	-0.168* (0.10)	-0.168* (0.10)
EDUC_5	-0.01 (0.07)	-0.0131 (0.07)	-0.0152 (0.07)	-0.0152 (0.07)
EDUC_6	-0.0786 (0.09)	-0.0199 (0.09)	-0.021 (0.09)	-0.021 (0.09)
INC_1	-0.0485 (0.11)	-0.0829 (0.12)	-0.082 (0.12)	-0.0819 (0.12)
INC_2	-0.0584 (0.07)	-0.0608 (0.07)	-0.0614 (0.07)	-0.0614 (0.07)
INC_4	0.03 (0.06)	0.0468 (0.06)	0.0469 (0.06)	0.0469 (0.06)
CHILD	0.0818* (0.04)	0.0808* (0.04)	0.0802* (0.04)	0.0802* (0.04)
LENGTH_L_2		-0.287** (0.14)	-0.288** (0.14)	-0.288** (0.14)
LENGTH_2_5		-0.252** (0.10)	-0.250** (0.10)	-0.250** (0.10)
LENGTH_11_20		0.075 (0.07)	0.0767 (0.07)	0.0767 (0.07)
LENGTH_M_20		0.0176 (0.07)	0.0185 (0.07)	0.0185 (0.07)
interacthd				0.0255 (0.07)
interactrd				0.0263 (0.24)
DISSAT			0.0256 (0.07)	
Observations	342	342	342	342

results jid=77

VARIABLES	VOTED	VOTED	VOTED	VOTED
HOWNER	0.117* (0.07)	0.085 (0.07)	0.0958 (0.07)	0.0897 (0.07)
AGE_1	-0.776*** (0.24)	0.0421 (0.04)	0.0397 (0.05)	0.0375 (0.05)
AGE_2	-0.156 (0.12)	0.0297 (0.04)	0.0247 (0.04)	0.0222 (0.04)
AGE_3	-0.0691 (0.08)	-0.0302 (0.06)	-0.0311 (0.06)	-0.0355 (0.06)
AGE_5	-0.139 (0.09)	-0.109 (0.08)	-0.126 (0.09)	-0.128 (0.09)
AGE_6	-0.334** (0.16)	-0.331* (0.17)	-0.342* (0.18)	-0.348** (0.18)
AGE_7	-0.131 (0.17)	-0.0958 (0.15)	-0.11 (0.16)	-0.112 (0.16)
MALE	0.0412 (0.03)	0.0306 (0.03)	0.0302 (0.03)	0.0287 (0.03)
DWELL_1	0.0545 (0.07)	0.0253 (0.05)	0.0315 (0.05)	0.0308 (0.05)
DWELL_2	0.0737** (0.03)	0.0549** (0.02)	0.0561** (0.02)	0.0558** (0.02)
DWELL_4	-0.0758 (0.13)	0.00866 (0.06)	0.0109 (0.06)	0.00885 (0.06)
DWELL_5	0.0599* (0.04)	0.0423 (0.03)	0.0467* (0.02)	0.0509** (0.02)
EDUC_1	0.00605 (0.10)	-0.0467 (0.13)	-0.0529 (0.14)	-0.0486 (0.14)
EDUC_2	-0.0145 (0.07)	-0.0407 (0.08)	-0.0324 (0.07)	-0.0356 (0.07)
EDUC_4	-0.0807 (0.13)	-0.0946 (0.12)	-0.105 (0.13)	-0.104 (0.13)
EDUC_5	-0.0231 (0.05)	-0.00189 (0.04)	-0.00154 (0.04)	-0.00397 (0.04)
EDUC_6	0.0542 (0.04)	0.0701** (0.03)	0.0716** (0.03)	0.0702** (0.03)
INC_1	-0.098 (0.12)	-0.0844 (0.11)	-0.0462 (0.10)	-0.044 (0.10)
INC_2	-0.0202 (0.05)	0.00355 (0.03)	0.00744 (0.03)	0.00493 (0.04)
INC_4	0.0141 (0.04)	0.0465 (0.03)	0.0438 (0.03)	0.0436 (0.03)
CHILD	-0.0318 (0.04)	-0.0461 (0.03)	-0.0436 (0.03)	-0.0455 (0.03)
LENGTH_L_2		-0.863*** (0.16)	-0.854*** (0.17)	-0.853*** (0.17)
LENGTH_2_5		-0.0889 (0.08)	-0.0874 (0.08)	-0.0814 (0.08)
LENGTH_11_20		0.0659** (0.03)	0.0666** (0.03)	0.0671** (0.03)
LENGTH_M_20		0.0686* (0.04)	0.0656 (0.04)	0.0647 (0.04)
interacthd				-0.0504 (0.11)
interactrd				-0.288 (0.41)
DISSAT			-0.0808 (0.12)	
Observations	264	264	264	264

Summary Statistics for NRC data, by Jurisdiction

summarize NRC, if dummy40 ==1

Variable	Obs	Mean	Std. Dev.	Min	Max
DISSAT	291	0.089347	0.285735	0	1
interacthd	291	0.061856	0.241308	0	1
interactrd	291	0.027491	0.163792	0	1
VOTED	291	0.731959	0.443702	0	1
HOWNER	291	0.821306	0.383756	0	1
AGE_1	291	0.037801	0.191042	0	1
AGE_2	291	0.178694	0.383756	0	1
AGE_3	291	0.202749	0.40274	0	1
AGE_4	291	0.213058	0.410174	0	1
AGE_5	291	0.161512	0.368637	0	1
AGE_6	291	0.137457	0.344922	0	1
AGE_7	291	0.068729	0.253428	0	1
MALE	291	0.42268	0.494837	0	1
BLACK	291	0.151203	0.358864	0	1
DWELL_1	291	0.814433	0.389427	0	1
DWELL_2	291	0.051546	0.22149	0	1
DWELL_3	291	0.103093	0.304604	0	1
DWELL_4	291	0.027491	0.163792	0	1
DWELL_5	291	0.003436	0.058621	0	1
EDUC_1	291	0.061856	0.241308	0	1
EDUC_2	291	0.154639	0.362183	0	1
EDUC_3	291	0.257732	0.438139	0	1
EDUC_4	291	0.127148	0.333712	0	1
EDUC_5	291	0.213058	0.410174	0	1
EDUC_6	291	0.185567	0.389427	0	1
INC_1	291	0.158076	0.36544	0	1
INC_2	291	0.347079	0.476861	0	1
INC_3	291	0.364261	0.482051	0	1
INC_4	291	0.130584	0.337526	0	1
CHILD	291	0.415808	0.600825	0	2
LENGTH_L_2	291	0.089347	0.285735	0	1
LENGTH_2_5	291	0.130584	0.337526	0	1
LENGTH_6_10	291	0.103093	0.304604	0	1
LENGTH_11_20	291	0.164949	0.371773	0	1
LENGTH_M_20	291	0.512028	0.500716	0	1

summarize NRC, if dummy74==1

Variable	Obs	Mean	Std. Dev.	Min	Max
DISSAT	471	0.110403	0.313725	0	1
interacthd	471	0.078556	0.269331	0	1
interactrd	471	0.031847	0.17578	0	1
VOTED	471	0.779193	0.415232	0	1
HOWNER	471	0.692144	0.462097	0	1
AGE_1	471	0.097665	0.297176	0	1
AGE_2	471	0.118896	0.32401	0	1
AGE_3	471	0.165605	0.372121	0	1
AGE_4	471	0.214437	0.410868	0	1
AGE_5	471	0.152866	0.360241	0	1
AGE_6	471	0.112527	0.316349	0	1
AGE_7	471	0.138004	0.345271	0	1
MALE	471	0.430998	0.495742	0	1
BLACK	471	0.008493	0.091861	0	1
DWELL_1	471	0.679406	0.467201	0	1
DWELL_2	471	0.089172	0.285295	0	1
DWELL_3	471	0.220807	0.415232	0	1
DWELL_4	471	0.006369	0.079639	0	1
DWELL_5	471	0.004246	0.065094	0	1
EDUC_1	471	0.036093	0.186721	0	1
EDUC_2	471	0.244161	0.430046	0	1
EDUC_3	471	0.233546	0.423536	0	1
EDUC_4	471	0.121019	0.326496	0	1
EDUC_5	471	0.218684	0.413793	0	1
EDUC_6	471	0.146497	0.35398	0	1
INC_1	471	0.282378	0.450635	0	1
INC_2	471	0.348195	0.476905	0	1
INC_3	471	0.318471	0.466379	0	1
INC_4	471	0.050955	0.220141	0	1
CHILD	471	0.309979	0.56633	0	2
LENGTH_L_2	471	0.061571	0.240631	0	1
LENGTH_2_5	471	0.150743	0.358179	0	1
LENGTH_6_10	471	0.093418	0.291327	0	1
LENGTH_11_20	471	0.150743	0.358179	0	1
LENGTH_M_20	471	0.543524	0.498632	0	1

summarize NRC, dummy24==1

Variable	Obs	Mean	Std. Dev.	Min	Max
DISSAT	532	0.118421	0.32341	0	1
interacthd	532	0.109023	0.311961	0	1
interactrd	532	0.009399	0.09658	0	1
VOTED	532	0.772556	0.419576	0	1
HOWNER	532	0.885338	0.318913	0	1
AGE_1	532	0.003759	0.061256	0	1
AGE_2	532	0.06579	0.248147	0	1
AGE_3	532	0.225564	0.418347	0	1
AGE_4	532	0.263158	0.440762	0	1
AGE_5	532	0.240602	0.427851	0	1
AGE_6	532	0.103384	0.304746	0	1
AGE_7	532	0.097744	0.297248	0	1
MALE	532	0.43985	0.496836	0	1
BLACK	532	0.009399	0.09658	0	1
DWELL_1	532	0.800752	0.399811	0	1
DWELL_2	532	0.046993	0.211822	0	1
DWELL_3	532	0.142857	0.350256	0	1
DWELL_4	532	0	0	0	0
DWELL_5	532	0.009399	0.09658	0	1
EDUC_1	532	0.018797	0.135935	0	1
EDUC_2	532	0.06579	0.248147	0	1
EDUC_3	532	0.084587	0.278527	0	1
EDUC_4	532	0.046993	0.211822	0	1
EDUC_5	532	0.362782	0.481255	0	1
EDUC_6	532	0.421053	0.494193	0	1
INC_1	532	0.093985	0.292082	0	1
INC_2	532	0.114662	0.318913	0	1
INC_3	532	0.293233	0.455673	0	1
INC_4	532	0.49812	0.500467	0	1
CHILD	532	0.509399	0.645064	0	2
LENGTH_L_2	532	0.071429	0.257782	0	1
LENGTH_2_5	532	0.112782	0.316624	0	1
LENGTH_6_10	532	0.163534	0.3702	0	1
LENGTH_11_20	532	0.214286	0.410712	0	1
LENGTH_M_20	532	0.43797	0.496604	0	1

summarize NRC, if dummy99==1

Variable	Obs	Mean	Std. Dev.	Min	Max
DISSAT	364	0.115385	0.319925	0	1
interacthd	364	0.093407	0.291402	0	1
interactrd	364	0.021978	0.146814	0	1
VOTED	364	0.832418	0.374009	0	1
HOWNER	364	0.793956	0.405019	0	1
AGE_1	364	0.024725	0.1555	0	1
AGE_2	364	0.134615	0.341782	0	1
AGE_3	364	0.17033	0.37644	0	1
AGE_4	364	0.214286	0.410891	0	1
AGE_5	364	0.230769	0.421905	0	1
AGE_6	364	0.115385	0.319925	0	1
AGE_7	364	0.10989	0.313183	0	1
MALE	364	0.480769	0.500318	0	1
BLACK	364	0.057692	0.233482	0	1
DWELL_1	364	0.766484	0.42365	0	1
DWELL_2	364	0.046703	0.211293	0	1
DWELL_3	364	0.148352	0.355938	0	1
DWELL_4	364	0.03022	0.171427	0	1
DWELL_5	364	0.008242	0.090534	0	1
EDUC_1	364	0.024725	0.1555	0	1
EDUC_2	364	0.14011	0.347579	0	1
EDUC_3	364	0.214286	0.410891	0	1
EDUC_4	364	0.101648	0.302601	0	1
EDUC_5	364	0.277473	0.448368	0	1
EDUC_6	364	0.241758	0.428738	0	1
INC_1	364	0.115385	0.319925	0	1
INC_2	364	0.271978	0.445591	0	1
INC_3	364	0.395604	0.489653	0	1
INC_4	364	0.217033	0.412793	0	1
CHILD	364	0.362637	0.584774	0	2
LENGTH_L_2	364	0.129121	0.335795	0	1
LENGTH_2_5	364	0.186813	0.390298	0	1
LENGTH_6_10	364	0.159341	0.366497	0	1
LENGTH_11_20	364	0.206044	0.405019	0	1
LENGTH_M_20	364	0.318681	0.466607	0	1

summarize NRC, if dummy40b==1

Variable	Obs	Mean	Std. Dev.	Min	Max
DISSAT	268	0.108209	0.311225	0	1
interacthd	268	0.08209	0.275015	0	1
interactrd	268	0.026119	0.159789	0	1
VOTED	268	0.80597	0.396192	0	1
HOWNER	268	0.820896	0.384157	0	1
AGE_1	268	0.033582	0.180488	0	1
AGE_2	268	0.126866	0.333445	0	1
AGE_3	268	0.160448	0.367708	0	1
AGE_4	268	0.223881	0.417623	0	1
AGE_5	268	0.220149	0.415122	0	1
AGE_6	268	0.149254	0.357005	0	1
AGE_7	268	0.085821	0.280623	0	1
MALE	268	0.432836	0.496395	0	1
BLACK	268	0.156716	0.364213	0	1
DWELL_1	268	0.779851	0.415122	0	1
DWELL_2	268	0.085821	0.280623	0	1
DWELL_3	268	0.100746	0.301556	0	1
DWELL_4	268	0.033582	0.180488	0	1
DWELL_5	268	0	0	0	0
EDUC_1	268	0.052239	0.222925	0	1
EDUC_2	268	0.152985	0.360647	0	1
EDUC_3	268	0.238806	0.427152	0	1
EDUC_4	268	0.097015	0.296532	0	1
EDUC_5	268	0.257463	0.438054	0	1
EDUC_6	268	0.201493	0.401866	0	1
INC_1	268	0.208955	0.407323	0	1
INC_2	268	0.30597	0.461679	0	1
INC_3	268	0.335821	0.47316	0	1
INC_4	268	0.149254	0.357005	0	1
CHILD	268	0.339552	0.59994	0	2
LENGTH_L_2	268	0.08209	0.275015	0	1
LENGTH_2_5	268	0.130597	0.33759	0	1
LENGTH_6_10	268	0.119403	0.324869	0	1
LENGTH_11_20	268	0.145522	0.353287	0	1
LENGTH_M_20	268	0.522388	0.500433	0	1

summarize NRC, if dummy64==1

Variable	Obs	Mean	Std. Dev.	Min	Max
DISSAT	670	0.107463	0.309932	0	1
interacthd	670	0.079105	0.270103	0	1
interactrd	670	0.028358	0.166118	0	1
VOTED	670	0.725373	0.44666	0	1
HOWNER	670	0.71791	0.450353	0	1
AGE_1	670	0.056716	0.231473	0	1
AGE_2	670	0.167164	0.373401	0	1
AGE_3	670	0.273134	0.445902	0	1
AGE_4	670	0.247761	0.432035	0	1
AGE_5	670	0.138806	0.346002	0	1
AGE_6	670	0.077612	0.26776	0	1
AGE_7	670	0.038806	0.193277	0	1
MALE	670	0.50597	0.500338	0	1
BLACK	670	0	0	0	0
DWELL_1	670	0.664179	0.47263	0	1
DWELL_2	670	0.091045	0.287888	0	1
DWELL_3	670	0.21194	0.408988	0	1
DWELL_4	670	0.031343	0.174374	0	1
DWELL_5	670	0.001493	0.038633	0	1
EDUC_1	670	0.064179	0.245255	0	1
EDUC_2	670	0.146269	0.353639	0	1
EDUC_3	670	0.268657	0.443592	0	1
EDUC_4	670	0.122388	0.327978	0	1
EDUC_5	670	0.219403	0.414151	0	1
EDUC_6	670	0.179105	0.383726	0	1
INC_1	670	0.116418	0.320965	0	1
INC_2	670	0.231343	0.422006	0	1
INC_3	670	0.39403	0.489006	0	1
INC_4	670	0.258209	0.437977	0	1
CHILD	670	0.668657	0.698538	0	2
LENGTH_L_2	670	0.095522	0.294155	0	1
LENGTH_2_5	670	0.231343	0.422006	0	1
LENGTH_6_10	670	0.150746	0.358069	0	1
LENGTH_11_20	670	0.19403	0.395747	0	1
LENGTH_M_20	670	0.328358	0.469967	0	1

summarize NRC, dummy58b==1

Variable	Obs	Mean	Std. Dev.	Min	Max
DISSAT	598	0.123746	0.329567	0	1
interacthd	598	0.073579	0.261302	0	1
interactrd	598	0.050167	0.218473	0	1
VOTED	598	0.785953	0.410503	0	1
HOWNER	598	0.769231	0.421678	0	1
AGE_1	598	0.033445	0.179946	0	1
AGE_2	598	0.100334	0.300697	0	1
AGE_3	598	0.162207	0.36895	0	1
AGE_4	598	0.219064	0.413958	0	1
AGE_5	598	0.198997	0.39958	0	1
AGE_6	598	0.172241	0.377906	0	1
AGE_7	598	0.113712	0.317727	0	1
MALE	598	0.444816	0.497361	0	1
BLACK	598	0.187291	0.390472	0	1
DWELL_1	598	0.824415	0.380786	0	1
DWELL_2	598	0.075251	0.264017	0	1
DWELL_3	598	0.085284	0.279538	0	1
DWELL_4	598	0.001672	0.040893	0	1
DWELL_5	598	0.013378	0.114983	0	1
EDUC_1	598	0.122074	0.327645	0	1
EDUC_2	598	0.27592	0.447351	0	1
EDUC_3	598	0.307692	0.461925	0	1
EDUC_4	598	0.078595	0.269331	0	1
EDUC_5	598	0.138796	0.346023	0	1
EDUC_6	598	0.076923	0.266692	0	1
INC_1	598	0.269231	0.443931	0	1
INC_2	598	0.362876	0.481232	0	1
INC_3	598	0.289298	0.453816	0	1
INC_4	598	0.078595	0.269331	0	1
CHILD	598	0.341137	0.573578	0	2
LENGTH_L_2	598	0.093646	0.291579	0	1
LENGTH_2_5	598	0.117057	0.321757	0	1
LENGTH_6_10	598	0.086957	0.282007	0	1
LENGTH_11_20	598	0.118729	0.32374	0	1
LENGTH_M_20	598	0.583612	0.493372	0	1

summarize NRC, if dummy27==1

Variable	Obs	Mean	Std. Dev.	Min	Max
DISSAT	343	0.113703	0.317914	0	1
interacthd	343	0.104956	0.306945	0	1
interactrd	343	0.008746	0.093248	0	1
VOTED	343	0.740525	0.438987	0	1
HOWNER	343	0.897959	0.303144	0	1
AGE_1	343	0.014577	0.120028	0	1
AGE_2	343	0.134111	0.341269	0	1
AGE_3	343	0.195335	0.397038	0	1
AGE_4	343	0.262391	0.440577	0	1
AGE_5	343	0.215743	0.411938	0	1
AGE_6	343	0.104956	0.306945	0	1
AGE_7	343	0.072886	0.26033	0	1
MALE	343	0.457726	0.498938	0	1
BLACK	343	0.034985	0.184011	0	1
DWELL_1	343	0.927114	0.26033	0	1
DWELL_2	343	0.026239	0.160079	0	1
DWELL_3	343	0.026239	0.160079	0	1
DWELL_4	343	0.017493	0.13129	0	1
DWELL_5	343	0.002916	0.053995	0	1
EDUC_1	343	0.017493	0.13129	0	1
EDUC_2	343	0.131195	0.338107	0	1
EDUC_3	343	0.294461	0.456466	0	1
EDUC_4	343	0.125364	0.331615	0	1
EDUC_5	343	0.285714	0.452414	0	1
EDUC_6	343	0.145773	0.353394	0	1
INC_1	343	0.09621	0.29531	0	1
INC_2	343	0.241983	0.428909	0	1
INC_3	343	0.457726	0.498938	0	1
INC_4	343	0.204082	0.403618	0	1
CHILD	343	0.428571	0.611775	0	2
LENGTH_L_2	343	0.072886	0.26033	0	1
LENGTH_2_5	343	0.198251	0.399265	0	1
LENGTH_6_10	343	0.189504	0.392481	0	1
LENGTH_11_20	343	0.201166	0.401458	0	1
LENGTH_M_20	343	0.338192	0.473786	0	1

summarize NRC, if dummy77==1

Variable	Obs	Mean	Std. Dev.	Min	Max
DISSAT	264	0.075758	0.265112	0	1
interacthd	264	0.060606	0.23906	0	1
interactrd	264	0.015152	0.122387	0	1
VOTED	264	0.886364	0.317972	0	1
HOWNER	264	0.780303	0.414828	0	1
AGE_1	264	0.015152	0.122387	0	1
AGE_2	264	0.121212	0.326994	0	1
AGE_3	264	0.219697	0.414828	0	1
AGE_4	264	0.257576	0.43813	0	1
AGE_5	264	0.223485	0.417372	0	1
AGE_6	264	0.102273	0.303582	0	1
AGE_7	264	0.060606	0.23906	0	1
MALE	264	0.439394	0.497256	0	1
BLACK	264	0	0	0	0
DWELL_1	264	0.700758	0.458796	0	1
DWELL_2	264	0.128788	0.335601	0	1
DWELL_3	264	0.098485	0.298535	0	1
DWELL_4	264	0.034091	0.181807	0	1
DWELL_5	264	0.037879	0.191266	0	1
EDUC_1	264	0.018939	0.13657	0	1
EDUC_2	264	0.075758	0.265112	0	1
EDUC_3	264	0.204546	0.404135	0	1
EDUC_4	264	0.045455	0.208695	0	1
EDUC_5	264	0.363636	0.481959	0	1
EDUC_6	264	0.291667	0.455393	0	1
INC_1	264	0.05303	0.22452	0	1
INC_2	264	0.265152	0.442252	0	1
INC_3	264	0.337121	0.473625	0	1
INC_4	264	0.344697	0.476172	0	1
CHILD	264	0.268939	0.508129	0	2
LENGTH_L_2	264	0.034091	0.181807	0	1
LENGTH_2_5	264	0.151515	0.359231	0	1
LENGTH_6_10	264	0.136364	0.343826	0	1
LENGTH_11_20	264	0.276515	0.448124	0	1
LENGTH_M_20	264	0.401515	0.491136	0	1

