# The Impact of College Diversity on Behavior Toward Minorities: Online Appendix 

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Figure A.1. : Histogram of Length of Roommate Relationships
Note: Density represents the proportion of white male students who were in roommate relationships of the indicated length.

Table A.1-: Social and Study Relationships of White Male Students

| VARIABLES | (1) F | (2) | (3) | (4) |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Freshman | Sophomore |  |
|  | Full Sample mean (sd) | Squadron Not Matched mean (sd) | Full Sample mean (sd) | Squadron Not Matched mean (sd) |
| Panel A: Friends |  |  |  |  |
| Both in Same Freshman Squadron | 0.805 | 0 | 0.249 | 0.425 |
|  | (0.396) | (0) | (0.433) | (0.495) |
| Both in Same Sophomore Squadron | 0.0338 | 0.0377 | 0.506 | 0 |
|  | (0.181) | (0.191) | (0.500) | (0) |
| Friend is Black | 0.0345 | 0.0264 | 0.0262 | 0.0206 |
|  | (0.183) | (0.161) | (0.160) | (0.142) |
| Friend is Hispanic | 0.0771 | 0.0566 | 0.0757 | 0.0796 |
|  | (0.267) | (0.232) | (0.265) | (0.271) |
| Friend is Asian | 0.0720 | 0.0755 | 0.0816 | 0.0664 |
|  | (0.259) | (0.265) | (0.274) | (0.249) |
| Friend is White Male | 0.750 | 0.751 | 0.757 | 0.758 |
|  | (0.433) | (0.433) | (0.429) | (0.429) |
| Both are Recruited Athletes | 0.0602 | 0.230 | 0.0575 | 0.0988 |
|  | (0.238) | (0.422) | (0.233) | (0.299) |
| Observations | 1,362 | 265 | 1,373 | 678 |
| Panel B: Study Partners |  |  |  |  |
| Both in Same Freshman Squadron | 0.884 | 0 | 0.146 | 0.257 |
|  | (0.320) | (0) | (0.354) | (0.437) |
| Both in Same Sophomore Squadron | 0.0259 | 0.0308 | 0.569 | 0 |
|  | (0.159) | (0.173) | (0.495) | (0) |
| Study Partner is Black | 0.0330 | 0.0308 | 0.0255 | 0.0175 |
|  | (0.179) | (0.173) | (0.158) | (0.131) |
| Study Partner is Hispanic | 0.0750 | 0.0385 | 0.0746 | 0.0746 |
|  | (0.264) | (0.193) | (0.263) | (0.263) |
| Study Partner is Asian | 0.0973 | 0.123 | 0.0925 | 0.0877 |
|  | (0.297) | (0.330) | $(0.290)$ | (0.283) |
| Study Partner is White Male | 0.726 | 0.677 | 0.728 | 0.713 |
|  | (0.446) | (0.469) | (0.445) | (0.453) |
| Both are Recruited Athletes | 0.0330 | 0.0692 | 0.0472 | 0.0746 |
|  | (0.179) | (0.255) | (0.212) | (0.263) |
| Observations | 1,120 | 130 | 1,059 | 456 |

Note: Survey Respondents are white male students from graduating classes of 2011 and 2012 asked to name their five closest friends and study partners in freshman and sophomore years.

Table A. 2 -: Social and Study Relationships of Black Male Students

|  | (1) | (2) | (3) | (4) |
| :---: | :---: | :---: | :---: | :---: |
|  | Freshman |  | Sophomore |  |
|  | Full Sample mean (sd) | Squadron Not Matched mean (sd) | Full Sample mean (sd) | Squadron Not Matched mean (sd) |
| Panel A: Friends |  |  |  |  |
| Both in Same Freshman Squadron | 0.702 | 0 | 0.227 | 0.269 |
|  | (0.462) | (0) | (0.424) | (0.452) |
| Both in Same Sophomore Squadron | 0.0426 | 0.0714 | 0.409 | 0 |
|  | (0.204) | (0.267) | (0.497) | (0) |
| Friend is Black | 0.149 | 0.429 | 0.318 | 0.423 |
|  | (0.360) | (0.514) | (0.471) | (0.504) |
| Friend is Hispanic | 0.191 | 0 | 0.0455 | 0.0385 |
|  | (0.398) | (0) | (0.211) | (0.196) |
| Friend is Asian | 0.0426 | 0.0714 | 0.114 | 0.0769 |
|  | (0.204) | (0.267) | (0.321) | (0.272) |
| Friend is White Male | 0.489 | 0.286 | 0.432 | 0.308 |
|  | (0.505) | (0.469) | (0.501) | (0.471) |
| Both are Recruited Athletes | 0.0638 | 0.214 | 0.0909 | 0.154 |
|  | (0.247) | (0.426) | (0.291) | (0.368) |
| Observations | 47 | 14 | 44 | 26 |
| Panel B: Study Partners |  |  |  |  |
| Both in Same Freshman Squadron | 0.811 | 0 | 0.175 | 0.176 |
|  | (0.397) | (0) | (0.385) | (0.393) |
| Both in Same Sophomore Squadron | 0.0270 | 0 | 0.575 | 0 |
|  | (0.164) | (0) | (0.501) | (0) |
| Study Partner is Black | 0.108 | 0.286 | 0.125 | 0.176 |
|  | (0.315) | (0.488) | (0.335) | (0.393) |
| Study Partner is Hispanic | 0.162 | 0 | 0.0500 | 0.118 |
|  | (0.374) | (0) | (0.221) | (0.332) |
| Study Partner is Asian | 0.135 | 0.143 | 0.0500 | 0 |
|  | (0.347) | (0.378) | (0.221) | (0) |
| Study Partner is White Male | 0.405 | 0.286 | 0.550 | 0.412 |
|  | (0.498) | (0.488) | (0.504) | (0.507) |
| Both are Recruited Athletes | 0 | 0 | 0.125 | 0.176 |
|  | (0) | (0) | (0.335) | (0.393) |
| Observations | 37 | 7 | 40 | 17 |

Note: Survey Respondents are black male students from graduating classes of 2011 and 2012 asked to name their five closest friends and study partners in freshman and sophomore years.
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| (a) Academic Ability and Number Separate |  | (b) Terciles of Academic Ability |  |
| :---: | :---: | :---: | :---: |
| VARIABLES | Outside <br> Black <br> Friends | VARIABLES | Outside <br> Black <br> Friends |
| Black Freshman HS Performance | $\begin{gathered} 0.0066 \\ (0.010) \end{gathered}$ | Number of Low HS Performance Black Freshmen | $\underset{(0.013)}{-0.0313^{* *}}$ |
| Black Freshman SAT | $\begin{gathered} -0.0022 \\ (0.007) \end{gathered}$ | Number of Med. HS Performance Black Freshmen | $\underset{(0.015)}{-0.0411^{* * *}}$ |
| Number of Black Freshmen | $\underset{(0.012)}{-0.0330^{* * *}}$ | Number of High HS Performance Black Freshmen | $\begin{gathered} -0.0219 \\ (0.014) \end{gathered}$ |
| Observations | 345 | Observations | 346 |
| $R^{2}$ | 0.049 | $R^{2}$ | 0.041 |


| (a) Academic Ability and Number Separate |  | (b) Terciles of Academic Ability |  |
| :---: | :---: | :---: | :---: |
| VARIABLES | Outside <br> Black <br> Friends | VARIABLES | Outside <br> Black <br> Friends |
| Black Freshman HS Performance | $\begin{gathered} 0.0066 \\ (0.010) \end{gathered}$ | Number of Low HS Performance Black Freshmen | $\begin{gathered} -0.0313^{* *} \\ (0.013) \end{gathered}$ |
| Black Freshman SAT | $\begin{gathered} -0.0022 \\ (0.007) \end{gathered}$ | Number of Med. HS Performance Black Freshmen | $\begin{gathered} -0.0411^{* * *} \\ (0.015) \end{gathered}$ |
| Number of Black Freshmen | $\begin{gathered} -0.0330^{* * *} \\ (0.012) \end{gathered}$ | Number of High HS Performance Black Freshmen | $\begin{gathered} -0.0219 \\ (0.014) \end{gathered}$ |
| Observations $R^{2}$ | $\begin{gathered} 345 \\ 0.049 \end{gathered}$ | Observations $R^{2}$ | $\begin{gathered} 346 \\ 0.041 \end{gathered}$ |

Table A.3-: Black Friends Outside Freshman Squadron

Table A.4-: Falsification - Freshman White Male Attributes on Average Freshman Black Attributes


Note: All variables except Number of Freshman Black Students are standardized by academic year. Square brackets contain p-values from randomization-based inference using a counterfactual of 5,000 randomly assigned sophomore squadrons. $\chi^{2}$ test FTR null hypothesis of empirical p-values drawn from a uniform distribution. ${ }^{* * *} p<0.01,{ }^{* *} p<0.05,^{*} p<0.1$.

Table A.5-: Falsification - Sophomore White Male Attributes on Average Sophomore Black Attributes

| VARIABLES | (1) High School Performance | (2) <br> SAT | (3) <br> Leadership <br> Score | (4) <br> Fitness <br> Score |
| :---: | :---: | :---: | :---: | :---: |
| Panel A: USAFA Assignment Algorithm - $\chi_{10}^{2} p$-value $=0.629$ |  |  |  |  |
| Sophomore Black HS Performance | $\begin{gathered} -0.008 \\ {[0.873]} \end{gathered}$ | $\begin{gathered} -0.055 \\ {[0.106]} \end{gathered}$ | $\begin{aligned} & 0.032 \\ & {[0.212]} \end{aligned}$ | $\begin{aligned} & 0.007 \\ & {[0.909]} \end{aligned}$ |
| Sophomore Black SAT Score | $\begin{aligned} & 0.008 \\ & {[0.875]} \end{aligned}$ | $\begin{gathered} -0.002 \\ {[0.703]} \end{gathered}$ | $\begin{aligned} & 0.004 \\ & {[0.698]} \end{aligned}$ | $\begin{gathered} -0.000 \\ {[0.649]} \end{gathered}$ |
| Sophomore Black Leadership Score | $\begin{gathered} -0.004 \\ {[0.554]} \end{gathered}$ | $\begin{gathered} -0.008 \\ {[0.436]} \end{gathered}$ | $\begin{aligned} & 0.011 \\ & {[0.698]} \end{aligned}$ | $\begin{aligned} & 0.004 \\ & {[0.294]} \end{aligned}$ |
| Sophomore Black Fitness Score | $\begin{aligned} & 0.038 \\ & {[0.191]} \end{aligned}$ | $\begin{gathered} 0.035^{*} \\ {[0.0976]} \end{gathered}$ | $\begin{aligned} & 0.015 \\ & {[0.680]} \end{aligned}$ | $\begin{aligned} & 0.008 \\ & {[0.793]} \end{aligned}$ |
| Number of Sophomore Black Students | $\begin{aligned} & 0.008 \\ & {[0.115]} \end{aligned}$ | $\begin{gathered} -0.022 \\ {[0.135]} \end{gathered}$ | $\begin{gathered} -0.023 \\ {[0.932]} \end{gathered}$ | $\begin{gathered} -0.031 \\ {[0.856]} \end{gathered}$ |
| Observations $R^{2}$ | $\begin{aligned} & 2,980 \\ & 0.002 \end{aligned}$ | $\begin{aligned} & 2,981 \\ & 0.004 \end{aligned}$ | $\begin{aligned} & 2,980 \\ & 0.002 \end{aligned}$ | $\begin{aligned} & 2,980 \\ & 0.001 \end{aligned}$ |
| Panel B: Random Assignment - $\chi_{10}^{2} p$-value $=0.725$ |  |  |  |  |
| Sophomore Black HS Performance | $\begin{gathered} -0.008 \\ {[0.876]} \end{gathered}$ | $\begin{gathered} -0.055 \\ {[0.182]} \end{gathered}$ | $\begin{aligned} & 0.032 \\ & {[0.255]} \end{aligned}$ | $\begin{aligned} & 0.007 \\ & {[0.900]} \end{aligned}$ |
| Sophomore Black SAT Score | $\begin{aligned} & 0.008 \\ & {[0.883]} \end{aligned}$ | $\begin{gathered} -0.002 \\ {[0.664]} \end{gathered}$ | $\begin{aligned} & 0.004 \\ & {[0.728]} \end{aligned}$ | $\begin{gathered} -0.000 \\ {[0.675]} \end{gathered}$ |
| Sophomore Black Leadership Score | $\begin{gathered} -0.004 \\ {[0.593]} \end{gathered}$ | $\begin{gathered} -0.008 \\ {[0.569]} \end{gathered}$ | $\begin{aligned} & 0.011 \\ & {[0.732]} \end{aligned}$ | $\begin{aligned} & 0.004 \\ & {[0.347]} \end{aligned}$ |
| Sophomore Black Fitness Score | $\begin{aligned} & 0.038 \\ & {[0.248]} \end{aligned}$ | $\begin{aligned} & 0.035 \\ & {[0.178]} \end{aligned}$ | $\begin{aligned} & 0.015 \\ & {[0.696]} \end{aligned}$ | $\begin{aligned} & 0.008 \\ & {[0.826]} \end{aligned}$ |
| Number of Sophomore Black Students | $\begin{aligned} & 0.008 \\ & {[0.102]} \end{aligned}$ | $\begin{gathered} -0.022 \\ {[0.954]} \end{gathered}$ | $\begin{gathered} -0.023 \\ {[0.991]} \end{gathered}$ | $\begin{gathered} -0.031 \\ {[0.777]} \end{gathered}$ |
| Observations $R^{2}$ | $\begin{aligned} & 2,980 \\ & 0.002 \end{aligned}$ | $\begin{aligned} & 2,981 \\ & 0.004 \end{aligned}$ | $\begin{aligned} & 2,980 \\ & 0.002 \end{aligned}$ | $\begin{aligned} & 2,980 \\ & 0.001 \end{aligned}$ |

Note: All variables except Number of Sophomore Black Students standardized by academic year. Square brackets contain p-values from randomization-based inference using a counterfactual of 5,000 randomly assigned sophomore squadrons. $\chi^{2}$ test FTR null hypothesis of empirical p-values drawn from a uniform distribution. ${ }^{* * *} p<0.01,{ }^{* *} p<0.05,^{*} p<0.1$.

Table A.6-: Falsification - Sophomore White Male Attributes on Average Freshman Black Attributes

| VARIABLES | (1) <br> Fresh Black <br> High School <br> Performance | (2) <br> Fresh Black SAT | (3) <br> Fresh Black Leadership Score | (4) <br> Fresh Black Fitness Score | (5) <br> Number <br> Fresh Black |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Panel A: USAFA Algorithm - $\chi_{10}^{2} p$-value $=0.772$ |  |  |  |  |  |
| Sophomore Black HS Performance | $\begin{aligned} & 0.019 \\ & {[0.330]} \end{aligned}$ | $\begin{gathered} -0.016 \\ {[0.928]} \end{gathered}$ | $\begin{gathered} -0.000 \\ {[0.715]} \end{gathered}$ | $\begin{aligned} & 0.003 \\ & {[0.954]} \end{aligned}$ | $\begin{aligned} & 0.002 \\ & {[0.775]} \end{aligned}$ |
| Sophomore Black SAT Score | $\begin{aligned} & 0.008 \\ & {[0.820]} \end{aligned}$ | $\begin{aligned} & 0.012 \\ & {[0.863]} \end{aligned}$ | $\begin{aligned} & 0.009 \\ & {[0.842]} \end{aligned}$ | $\begin{gathered} -0.015 \\ {[0.598]} \end{gathered}$ | $\begin{gathered} -0.020 \\ {[0.189]} \end{gathered}$ |
| Sophomore Black Leadership Score | $\begin{aligned} & 0.027 \\ & {[0.404]} \end{aligned}$ | $\begin{gathered} 0.068^{* *} \\ {[0.0128]} \end{gathered}$ | $\begin{aligned} & 0.028 \\ & {[0.148]} \end{aligned}$ | $\begin{aligned} & 0.042^{*} \\ & {[0.0908]} \end{aligned}$ | $\begin{gathered} -0.029 \\ {[0.289]} \end{gathered}$ |
| Sophomore Black Fitness Score | $\begin{gathered} -0.003 \\ {[0.943]} \end{gathered}$ | $\begin{aligned} & 0.028 \\ & {[0.109]} \end{aligned}$ | $\begin{aligned} & 0.036 \\ & {[0.317]} \end{aligned}$ | $\begin{gathered} -0.015 \\ {[0.385]} \end{gathered}$ | $\begin{gathered} -0.023 \\ {[0.223]} \end{gathered}$ |
| Number of Sophomore Black Students | $\begin{gathered} -0.041 \\ {[0.134]} \end{gathered}$ | $\begin{aligned} & 0.019 \\ & {[0.674]} \end{aligned}$ | $\begin{aligned} & 0.020 \\ & {[0.745]} \end{aligned}$ | $\begin{aligned} & 0.015 \\ & {[0.923]} \end{aligned}$ | $\begin{aligned} & 0.033 \\ & {[0.519]} \end{aligned}$ |
| Observations $R^{2}$ | $\begin{aligned} & 2,813 \\ & 0.002 \end{aligned}$ | $\begin{aligned} & 2,813 \\ & 0.006 \end{aligned}$ | $\begin{aligned} & 2,813 \\ & 0.002 \end{aligned}$ | $\begin{aligned} & 2,813 \\ & 0.002 \end{aligned}$ | $\begin{aligned} & 2,813 \\ & 0.245 \end{aligned}$ |
| Panel B: Random Assignment - $\chi_{10}^{2} p$-value $=0.678$ |  |  |  |  |  |
| Sophomore Black HS Performance | $\begin{aligned} & 0.019 \\ & {[0.374]} \end{aligned}$ | $\begin{gathered} -0.016 \\ {[0.968]} \end{gathered}$ | $\begin{gathered} -0.000 \\ {[0.722]} \end{gathered}$ | $\begin{aligned} & 0.003 \\ & {[0.955]} \end{aligned}$ | $\begin{aligned} & 0.002 \\ & {[0.780]} \end{aligned}$ |
| Sophomore Black SAT Score | $\begin{aligned} & 0.008 \\ & {[0.805]} \end{aligned}$ | $\begin{aligned} & 0.012 \\ & {[0.837]} \end{aligned}$ | $\begin{aligned} & 0.009 \\ & {[0.866]} \end{aligned}$ | $\begin{gathered} -0.015 \\ {[0.576]} \end{gathered}$ | $\begin{gathered} -0.020 \\ {[0.214]} \end{gathered}$ |
| Sophomore Black Leadership Score | $\begin{aligned} & 0.027 \\ & {[0.453]} \end{aligned}$ | $\begin{gathered} 0.068^{* *} \\ {[0.0208]} \end{gathered}$ | $\begin{aligned} & 0.028 \\ & {[0.202]} \end{aligned}$ | $\begin{aligned} & 0.042 \\ & {[0.112]} \end{aligned}$ | $\begin{gathered} -0.029 \\ {[0.310]} \end{gathered}$ |
| Sophomore Black Fitness Score | $\begin{gathered} -0.003 \\ {[0.926]} \end{gathered}$ | $\begin{aligned} & 0.028 \\ & {[0.144]} \end{aligned}$ | $\begin{gathered} 0.036+ \\ {[0.334]} \end{gathered}$ | $\begin{gathered} -0.015 \\ {[0.448]} \end{gathered}$ | $\begin{gathered} -0.023 \\ {[0.268]} \end{gathered}$ |
| Number of Sophomore Black Students | $\begin{gathered} -0.041^{*} \\ {[0.0672]} \end{gathered}$ | $\begin{aligned} & 0.019 \\ & {[0.688]} \end{aligned}$ | $\begin{aligned} & 0.020 \\ & {[0.723]} \end{aligned}$ | $\begin{gathered} 0.015 \\ {[0.8021} \end{gathered}$ | $\begin{aligned} & 0.033 \\ & {[0.315]} \end{aligned}$ |
| Observations $R^{2}$ | $\begin{aligned} & 2,813 \\ & 0.002 \end{aligned}$ | 2,813 0.006 | 2,813 0.002 | 2,813 0.002 | 2,813 0.245 |

Note: All variables standardized except Number of Sophomore Black Students. Specifications include a fixed effect for academic year. Square brackets contain p-values from randomization-based inference using a counterfactual of 5,000 randomly assigned sophomore squadrons. $\chi^{2}$ test FTR null hypothesis of empirical p-values drawn from a uniform distribution. ${ }^{* * *} p<0.01,{ }^{* *} p<0.05,{ }^{*} p<0.1$.

Table A.7-: Impact of Exposure to Black Peers on Roommate Matching by Decile of Ability

| VARIABLES | (1) | (2) | (3) | (4) | (5) | (6) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number of 0-10 Percentile Fresh Black Peers | $\begin{gathered} 0.0149 \\ {[0.289]} \end{gathered}$ | $\begin{gathered} 0.0164 \\ {[0.251]} \end{gathered}$ | $\begin{gathered} 0.0159 \\ {[0.266]} \end{gathered}$ | $\begin{gathered} 0.0145 \\ {[0.384]} \end{gathered}$ | $\begin{gathered} 0.0186 \\ {[0.252]} \end{gathered}$ | $\begin{gathered} 0.0140 \\ {[0.318]} \end{gathered}$ |
| Number of 11-20 Percentile Fresh Black Peers | $\begin{gathered} 0.0049 \\ {[0.720]} \end{gathered}$ | $\begin{gathered} 0.0040 \\ {[0.774]} \end{gathered}$ | $\begin{gathered} 0.0045 \\ {[0.748]} \end{gathered}$ | $\begin{gathered} 0.0050 \\ {[0.723]} \end{gathered}$ | $\begin{gathered} 0.0064 \\ {[0.658]} \end{gathered}$ | $\begin{gathered} 0.0049 \\ {[0.724]} \end{gathered}$ |
| Number of 21-30 Percentile Fresh Black Peers | $\begin{gathered} -0.0108 \\ {[0.454]} \end{gathered}$ | $\begin{gathered} -0.0091 \\ {[0.533]} \end{gathered}$ | $\begin{gathered} -0.0087 \\ {[0.560]} \end{gathered}$ | $\begin{gathered} -0.0101 \\ {[0.496]} \end{gathered}$ | $\begin{gathered} -0.0084 \\ {[0.610]} \end{gathered}$ | $\begin{gathered} -0.0071 \\ {[0.639]} \end{gathered}$ |
| Number of 31-40 Percentile Fresh Black Peers | $\begin{gathered} 0.0019 \\ {[0.880]} \end{gathered}$ | $\begin{gathered} 0.0010 \\ {[0.940]} \end{gathered}$ | $\begin{gathered} -0.0001 \\ {[0.991]} \end{gathered}$ | $\begin{gathered} 0.0032 \\ {[0.831]} \end{gathered}$ | $\begin{gathered} -0.0033 \\ {[0.860]} \end{gathered}$ | $\begin{gathered} -0.0004 \\ {[0.984]} \end{gathered}$ |
| Number of 41-50 Percentile Fresh Black Peers | $\begin{gathered} 0.0137 \\ {[0.280]} \end{gathered}$ | $\begin{gathered} 0.0152 \\ {[0.242]} \end{gathered}$ | $\begin{gathered} 0.0120 \\ {[0.332]} \end{gathered}$ | $\begin{gathered} 0.0125 \\ {[0.414]} \end{gathered}$ | $\begin{gathered} 0.0101 \\ {[0.442]} \end{gathered}$ | $\begin{gathered} 0.0127 \\ {[0.326]} \end{gathered}$ |
| Number of 51-60 Percentile Fresh Black Peers | $\begin{gathered} 0.0153 \\ {[0.236]} \end{gathered}$ | $\begin{gathered} 0.0171 \\ {[0.195]} \end{gathered}$ | $\begin{gathered} 0.0162 \\ {[0.217]} \end{gathered}$ | $\begin{gathered} 0.0158 \\ {[0.300]} \end{gathered}$ | $\begin{gathered} 0.0178 \\ {[0.214]} \end{gathered}$ | $\begin{gathered} 0.0155 \\ {[0.240]} \end{gathered}$ |
| Number of 61-70 Percentile Fresh Black Peers | $\begin{gathered} 0.0484^{* * *} \\ {[0.002]} \end{gathered}$ | $\begin{gathered} 0.0493^{* * *} \\ {[0.002]} \end{gathered}$ | $\begin{gathered} 0.0476^{* * *} \\ {[0.004]} \end{gathered}$ | $\begin{gathered} 0.0485^{* * *} \\ {[0.007]} \end{gathered}$ | $\begin{gathered} 0.0461^{* * *} \\ {[0.007]} \end{gathered}$ | $\begin{gathered} 0.0517^{* * *} \\ {[0.003]} \end{gathered}$ |
| Number of 71-80 Percentile Fresh Black Peers | $\begin{gathered} 0.0405^{* *} \\ {[0.021]} \end{gathered}$ | $\begin{gathered} 0.0377^{* *} \\ {[0.034]} \end{gathered}$ | $\begin{gathered} 0.0334^{*} \\ {[0.056]} \end{gathered}$ | $\begin{gathered} 0.0349^{*} \\ {[0.058]} \end{gathered}$ | $\begin{gathered} 0.0306 \\ {[0.104]} \end{gathered}$ | $\begin{gathered} 0.0318^{*} \\ {[0.070]} \end{gathered}$ |
| Number of 81-90 Percentile Fresh Black Peers | $\begin{gathered} 0.0207 \\ {[0.222]} \end{gathered}$ | $\begin{gathered} 0.0203 \\ {[0.232]} \end{gathered}$ | $\begin{gathered} 0.0143 \\ {[0.379]} \end{gathered}$ | $\begin{gathered} 0.0177 \\ {[0.351]} \end{gathered}$ | $\begin{gathered} 0.0114 \\ {[0.486]} \end{gathered}$ | $\begin{gathered} 0.0142 \\ {[0.382]} \end{gathered}$ |
| Number of 91-100 Percentile Fresh Black Peers | $\begin{gathered} 0.0271^{* *} \\ {[0.044]} \end{gathered}$ | $0.0297^{* *}$ $[0.028]$ | $\begin{gathered} 0.0278^{* *} \\ {[0.038]} \end{gathered}$ | $\begin{gathered} 0.0263^{*} \\ {[0.078]} \end{gathered}$ | $\begin{gathered} 0.0273^{*} \\ {[0.070]} \end{gathered}$ | $\begin{gathered} 0.0245^{*} \\ {[0.066]} \end{gathered}$ |
| Year Effects | Y | Y | Y | Y | Y | Y |
| Own Characteristics | - | Y | Y | Y | Y | Y |
| Freshman Non-Black Peer Characteristics | - | - | Y | Y | Y | Y |
| Black Upper Class Peer Characteristics | - | - | Y | Y | Y | Y |
| Sophomore Black Peer Characteristics | - | - | Y | Y | Y | Y |
| Sophomore Squadron FE | - | - | - | Y | - | - |
| Non-academic Black Fresh Peer Characteristics | - | - | - | - | Y | - |
| State of Residence FE | - | - | - | - | - | Y |
| Observations | 2,602 | 2,602 | 2,602 | 2,602 | 2,602 | 2,602 |
| $R^{2}$ | 0.021 | 0.034 | 0.035 | 0.072 | 0.036 | 0.057 |

Note: Dependent variable is probability of roommate match between black and white males for seven or more days. Square brackets contain p-values from randomization-based inference using a counterfactual of 5,000 randomly assigned roommates from within existing sophomore squadrons. ${ }^{* * *} p<0.01$, ** $p<0.05,{ }^{*} p<0.1$.

Table A.8-: Robustness of Estimates to Alternate Roommate Definitions

|  | (1) | $(2)$ | (3) | (4) | $(5)$ | (6) | (7) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| VARIABLES | $1 \text { Day }$ | $7 \text { Days }$ | 30 Days | $60 \text { Days }$ | $90 \text { Days }$ | 120 Days | $240 \text { Days }$ |
| Panel A |  |  |  |  |  |  |  |
| Black Fresh HS Performance | $0.0152^{* * *}$ | $0.0153^{* * *}$ | $0.0174^{* * *}$ | $0.0171^{* * *}$ | $0.0157^{* * *}$ | $0.0157^{* * *}$ | $0.0106^{*}$ |
|  | [0.010] | [0.008] | [0.003] | [0.004] | [0.007] | [0.007] | [0.070] |
| Black Freshman SAT | -0.0003 | 0.0005 | -0.0018 | -0.0014 | -0.0008 | 0.0004 | -0.0046* |
|  | [0.940] | [0.945] | [0.739] | [0.792] | [0.878] | [0.951] | [0.414] |
| Number of Black Freshmen | 0.0077 | 0.0071 | 0.0086 | 0.0083 | 0.0098 | 0.0096 | 0.0095 |
|  | [0.344] | [0.377] | [0.290] | [0.305] | [0.236] | [0.248] | [0.252] |
| Observations | 2,602 | 2,602 | 2,602 | 2,602 | 2,602 | 2,602 | 2,602 |
| $R^{2}$ | 0.070 | 0.068 | 0.067 | 0.069 | 0.071 | 0.064 | 0.079 |
| Panel B |  |  |  |  |  |  |  |
| Black Fresh HS Performance | 0.0138* | 0.0144* | $0.0148^{* *}$ | 0.0159** | 0.0149** | 0.0145* | $0.0137^{* * *}$ |
|  | [0.084] | [0.072] | [0.063] | [0.046] | [0.062] | [0.071] | [0.086] |
| Low \% Black $\times$ Black Fresh HS Performance | 0.0034 | 0.0023 | 0.0060 | 0.0031 | 0.0022 | 0.0031 | -0.0067 |
|  | [0.800] | [0.871] | [0.620] | [0.821] | [0.879] | [0.822] | [0.545] |
| Black Freshman SAT | 0.0052 | 0.0053 | 0.0020 | 0.0022 | 0.0025 | 0.0039 | -0.0065* |
|  | $[0.523]$ | [0.509] | $[0.802]$ | $[0.782]$ | $[0.749]$ | $[0.627]$ | $[0.404]$ |
| Low \% Black $\times$ Black Freshman SAT | -0.0119 | -0.0105 | -0.0084 | -0.0080 | -0.0072 | -0.0077 | 0.0042 |
|  | [0.289] | [0.351] | [0.454] | [0.479] | [0.522] | [0.490] | [0.706] |
| Number of Black Freshmen | -0.0050 | -0.0057 | -0.0026 | -0.0034 | -0.0013 | -0.0015 | 0.0076 |
|  | [0.654] | [0.607] | [0.839] | [0.766] | [0.930] | [0.917] | [0.442] |
| Low \% Black $\times$ Number of Black Freshmen | $0.0246^{* *}$ | $0.0248^{* *}$ | 0.0217* | 0.0227* | $0.0214^{*}$ | $0.0215^{*}$ | 0.0034 |
|  | [0.042] | [0.041] | [0.068] | [0.057] | [0.073] | [0.073] | $[0.785]$ |
| Low \% Black State | -0.0338 | -0.0342 | -0.0279 | -0.0309 | -0.0295 | -0.0294 | -0.0027 |
|  | $[0.156]$ | $[0.150]$ | $[0.241]$ | $[0.194]$ | $[0.218]$ | $[0.220]$ | $[0.932]$ |
| Observations | 2,602 | 2,602 | 2,602 | 2,602 | 2,602 | 2,602 | 2,602 |
| $R^{2}$ | 0.073 | 0.070 | 0.069 | 0.071 | 0.073 | 0.067 | 0.080 |

Note: Dependent variable is probability of roommate match between black and white males. High School Performance and SAT Score are normalized. All Specifications include controls for year effects, own characteristics, freshman non-group characteristics, and upper group characteristics as in Table 4, Specification 5. Square brackets contain p-values from randomization-based inference using a counterfactual of 5,000 randomly assigned roommates from within existing sophomore squadrons. ${ }^{* * *} p<0.01$, ** $p<0.05,{ }^{*} p<0.1$.

