**Testing Civics: State-Level Civic Education Requirements and Political Knowledge**

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**Supplemental Appendix**

This document contains supplemental information for the data analysis presented in “Testing Civics: State-Level Civic Education Requirements and Political Knowledge.” It includes a description of the data files we have made available for replication, as well as summary statistics for the variables employed in our analyses (Tables 2-4).

If you have questions, please contact David Campbell at dave\_campbell@nd.edu.

***National Assessment of Educational Progress (NAEP) Civics Exam***

As noted in the paper, individual-level NAEP data are not in the public domain. Instead, NAEP data require a restricted data license from the National Center for Education Statistics. Accordingly, we are unable to post the NAEP dataset for replication. Interested researchers must contact the National Center for Education Statistics for information on applying for a data license. Specifically, researchers will need:

NAEP 2006 Civics, U.S. History, and Geography Assessments Restricted- Use Data Files Assessment (NCES 2008-472). File C37NT3AT.DAT

NAEP 2010 Civics, U.S. History, and Geography Assessments Restricted- Use Data Files Assessment (NCES 2012-472). File C41NT2AT.DAT

We have, however, posted two files that will enable other researchers to replicate our analysis.

1. A dataset (in STATA format) of the state-level variables to be merged into the 2006 and 2010 12th grade NAEP Civics Assessments: “Campbell and Niemi\_state data\_2010.dta”
2. A STATA do file with the recoding of the variables used in the analysis, as well as the code for the models: “Campbell and Niemi\_NAEP Civics.do”

***Commission on Youth Voting and Civic Knowledge Post-Election Survey 2012***

These data are in the public domain and can be obtained at civicyouth.org. To facilitate replication and further analysis, we have posted two files:

1. The complete dataset (in STATA format), with the variables employed in our analysis: “Campbell and Niemi.\_post-election survey.dta”
2. A STATA do file with the code for the models: “Campbell and Niemi\_post-election survey code.do.”

***Summary Statistics***

Below are summary statistics for the variables included in the models displayed in Tables 2-4.

Table 2, Columns 1 and 2

National Assessment of Educational Progress Civics Assessment, 2006 and State-Level Variables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Observations** | **Mean** | **Standard Deviation** | **Minimum** | **Maximum** |
| Civics Scale | 9150 | 0.04 | 1.00 | -4.16 | 3.0 |
| No Civics Requirement | 9500 | 0.09 | 0.28 | 0.00 | 1.00 |
| Low-stakes Civics Assessment | 9500 | 0.27 | 0.45 | 0.00 | 1.00 |
| High-stakes Civics Assessment | 9500 | 0.26 | 0.44 | 0.00 | 1.00 |
| Parental education | 8780 | 3.14 | 1.00 | 1.00 | 4.00 |
| Frequency of non-English at home | 9020 | 1.69 | 1.08 | 1.00 | 4.00 |
| Male | 9500 | 0.51 | 0.50 | 0.00 | 1.00 |
| Books in the home | 9498 | 2.83 | 1.15 | 0.00 | 4.00 |
| Free or reduced price lunch | 8430 | 0.29 | 0.46 | 0.00 | 1.00 |
| Computer at home | 8980 | 0.93 | 0.26 | 0.00 | 1.00 |
| English language learner | 9500 | 0.04 | 0.20 | 0.00 | 1.00 |
| American Indian | 9500 | 0.01 | 0.10 | 0.00 | 1.00 |
| Asian American/Pacific Islander | 9500 | 0.06 | 0.23 | 0.00 | 1.00 |
| Black | 9500 | 0.16 | 0.37 | 0.00 | 1.00 |
| Latino | 9500 | 0.15 | 0.36 | 0.00 | 1.00 |
| Other race | 9500 | 0.01 | 0.09 | 0.00 | 1.00 |
| Percent Latino in school | 9400 | 15.33 | 22.27 | 0.00 | 98.00 |
| Percent Black in school | 9400 | 16.63 | 22.45 | 0.00 | 100.00 |
| Private, Catholic school | 9500 | 0.07 | 0.25 | 0.00 | 1.00 |
| Private, non-Catholic school | 9500 | 0.04 | 0.18 | 0.00 | 1.00 |
| Percent Latino in state | 9500 | 15.36 | 12.34 | 1.30 | 46.30 |
| Per-student expenditure in state | 9500 | 10788.13 | 3078.43 | 6823.83 | 19076.03 |
| Median household income in state | 9500 | 60289.80 | 8430.74 | 45484.00 | 83137.00 |
| Mean NAEP score (Math and Reading) in State | 9500 | 272.72 | 5.94 | 258.15 | 286.22 |

Table 2, Columns 3 and 4

National Assessment of Educational Progress Civics Assessment, 2010 and State-Level Variables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Observations** | **Mean** | **Standard Deviation** | **Minimum** | **Maximum** |
| Civics Scale | 9950 | -0.04 | 0.998 | -4.22 | 3.54 |
| No Civics Requirement | 10190 | .047 | .21 | 0 | 1 |
| Low-stakes Civics Assessment | 10190 | 0.41 | 0.49 | 0.00 | 1.00 |
| High-stakes Civics Assessment | 10190 | 0.20 | 0.40 | 0.00 | 1.00 |
| Parental education | 9600 | 3.13 | 1.01 | 1.00 | 4.00 |
| Frequency of non-English at home | 9880 | 1.78 | 1.14 | 1.00 | 4.00 |
| Male | 10190 | 0.51 | 0.50 | 0.00 | 1.00 |
| Books in the home | 10193 | 2.77 | 1.09 | 0.00 | 4.00 |
| Free or reduced price lunch | 9230 | 0.37 | 0.48 | 0.00 | 1.00 |
| Computer at home | 9870 | 0.94 | 0.23 | 0.00 | 1.00 |
| English language learner | 10190 | 0.04 | 0.20 | 0.00 | 1.00 |
| American Indian | 10190 | 0.01 | 0.10 | 0.00 | 1.00 |
| Asian American/Pacific Islander | 10190 | 0.07 | 0.25 | 0.00 | 1.00 |
| Black | 10190 | 0.17 | 0.37 | 0.00 | 1.00 |
| Latino | 10190 | 0.19 | 0.39 | 0.00 | 1.00 |
| Other race | 10190 | 0.01 | 0.10 | 0.00 | 1.00 |
| Percent Latino in school | 10180 | 18.71 | 24.14 | 0.00 | 99.00 |
| Percent Black in school | 10180 | 16.94 | 22.48 | 0.00 | 100.00 |
| Private, Catholic school | 10190 | 0.06 | 0.24 | 0.00 | 1.00 |
| Private, non-Catholic school | 10190 | 0.05 | 0.22 | 0.00 | 1.00 |
| Percent Latino in state | 10190 | 17.44 | 13.27 | 2.70 | 46.30 |
| Per-student expenditure in state | 10190 | 10600.98 | 2944.56 | 6212.22 | 19076.03 |
| Median household income in state | 10190 | 60540.16 | 8629.08 | 45484.00 | 83137.00 |
| Mean NAEP score (Math and Reading) in State | 10190 | 271.31 | 6.63 | 248.04 | 286.22 |

Table 3

National Assessment of Educational Progress Civics Assessment, 2006 and 2010, and State-Level Variables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Observations** | **Mean** | **Standard Deviation** | **Minimum** | **Maximum** |
| Civics Scale | 19100 | 0.00 | 1.00 | -4.22 | 3.54 |
| Removed Low-Stakes Civics Requirement | 19690 | 0.12 | 0.33 | 0.00 | 1.00 |
| Added Low-Stakes Civics Requirement | 19690 | 0.04 | 0.19 | 0.00 | 1.00 |
| Added High-Stakes Civics Requirements | 19690 | 0.02 | 0.13 | 0.00 | 1.00 |
| Parental education | 18380 | 3.13 | 1.01 | 1.00 | 4.00 |
| Frequency of non-English at home | 18900 | 1.74 | 1.11 | 1.00 | 4.00 |
| Male | 19690 | 0.51 | 0.50 | 0.00 | 1.00 |
| Books in the home | 19691 | 2.80 | 1.12 | 0.00 | 4.00 |
| Free or reduced price lunch | 17670 | 0.33 | 0.47 | 0.00 | 1.00 |
| Computer at home | 18840 | 0.93 | 0.25 | 0.00 | 1.00 |
| English language learner | 19690 | 0.04 | 0.20 | 0.00 | 1.00 |
| American Indian | 19690 | 0.01 | 0.10 | 0.00 | 1.00 |
| Asian American/Pacific Islander | 19690 | 0.06 | 0.24 | 0.00 | 1.00 |
| Black | 19690 | 0.17 | 0.37 | 0.00 | 1.00 |
| Latino | 19690 | 0.17 | 0.38 | 0.00 | 1.00 |
| Other race | 19690 | 0.01 | 0.10 | 0.00 | 1.00 |
| Percent Latino in school | 19580 | 17.09 | 23.32 | 0.00 | 99.00 |
| Percent Black in school | 19580 | 16.79 | 22.46 | 0.00 | 100.00 |
| Private, Catholic school | 19690 | 0.06 | 0.25 | 0.00 | 1.00 |
| Private, non-Catholic school | 19690 | 0.04 | 0.20 | 0.00 | 1.00 |
| Percent Latino in state | 19700 | 16.43 | 12.87 | 1.20 | 46.30 |
| Per-student expenditure in state | 19700 | 10691.51 | 3011.03 | 6212.22 | 19076.03 |
| Median household income in state | 19700 | 60419.83 | 8534.43 | 45484.00 | 83137.00 |
| Mean NAEP score (Math and Reading) in state | 19700 | 271.99 | 6.34 | 248.04 | 286.22 |
| 2010 | 19690 | 0.52 | 0.50 | 0 | 1 |

Table 4

Commission on Youth Voting and Civic Knowledge Post-Election Survey 2012 and State-Level Variables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Observations** | **Mean** | **Standard Deviation** | **Minimum** | **Maximum** |
| Political Knowledge | 2992 | 2.80 | 1.59 | 0.00 | 6.00 |
| No Civics Requirement | 2739 | 0.09 | 0.28 | 0.00 | 1.00 |
| Low-stakes Civics Assessment | 2739 | 0.26 | 0.44 | 0.00 | 1.00 |
| High-stakes Civics Assessment | 2739 | 0.17 | 0.38 | 0.00 | 1.00 |
| Social Studies, years required | 2992 | 2.89 | 0.79 | 0.00 | 4.00 |
| African American | 2971 | 0.19 | 0.39 | 0.00 | 1.00 |
| Latino | 2971 | 0.18 | 0.38 | 0.00 | 1.00 |
| Asian | 2971 | 0.04 | 0.18 | 0.00 | 1.00 |
| Immigrant (1st or 2nd generation) | 2992 | 0.19 | 0.40 | 0.00 | 1.00 |
| Enough books to fill one shelf (11-25) | 2748 | 0.14 | 0.35 | 0.00 | 1.00 |
| Enough books to fill one bookcase (26-100) | 2748 | 0.30 | 0.46 | 0.00 | 1.00 |
| Enough books to fill several bookcases (>100) | 2748 | 0.43 | 0.50 | 0.00 | 1.00 |
| Male | 2992 | 0.52 | 0.50 | 0.00 | 1.00 |
| Age | 2914 | 21.25 | 2.03 | 18.00 | 24.00 |
| Currently enrolled in school | 2843 | 0.49 | 0.50 | 0.00 | 1.00 |
| High school graduate | 2840 | 0.31 | 0.46 | 0.00 | 1.00 |
| Some college, tech or trade school | 2840 | 0.42 | 0.49 | 0.00 | 1.00 |
| College graduate/ some post-graduate | 2840 | 0.15 | 0.36 | 0.00 | 1.00 |
| Post-graduate degree | 2840 | 0.02 | 0.14 | 0.00 | 1.00 |
| 2010 youth voter turnout, state | 2992 | 24.49 | 5.37 | 13.62 | 35.68 |
| 2012 electoral competitiveness, state | 2992 | 0.44 | 0.72 | 0.00 | 2.00 |
| Mean NAEP score (math and reading), state | 2938 | 272.90 | 7.11 | 248.04 | 286.22 |
| Educational expenditures, state | 2938 | 10902.97 | 2881.98 | 6212.22 | 19076.03 |
| Median household income, state | 2992 | 61488.91 | 9579.05 | 45484.00 | 83137.00 |
|  |  |  |  |  |  |