

Online Appendix Table 1
Sensitivity of Fixed Effect Estimates to Textbook Sample

| Textbooks (sorted by market share) | Pooled 6 States | | | | Pooled 5 States (excluding California) | | | | California Only | | | | | |
|---|-----------------|-------------------|-------------------|-----------------|--|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|-----------------|-----------------|
| | All Textbooks | Top 15 Text-books | Top 10 Text-books | Top 5 Textbooks | All Textbooks | Top 15 Text-books | Top 10 Text-books | Top 5 Textbooks | All Textbooks | Top 15 Text-books | Top 10 Text-books | Top 10 Text-books | Top 5 Textbooks | Top 5 Textbooks |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| <i>Engage NY/Eureka CC</i> | -0.017* | -0.003 | -0.001 | -0.008 | 0.016 | 0.021 | 0.020 | 0.013 | -0.029** | -0.030** | -0.025* | -0.024 | -0.031** | -0.060 |
| | (0.007) | (0.011) | (0.011) | (0.011) | (0.017) | (0.018) | (0.018) | (0.020) | (0.014) | (0.014) | (0.015) | (0.086) | (0.014) | (0.084) |
| <i>Go Math CC</i> | -0.010 | 0.001 | 0.006 | 0.007 | 0.022 | 0.021 | 0.021 | 0.025 | -0.004 | -0.006 | 0.002 | 0.034 | -0.002 | 0.016 |
| | (0.008) | (0.010) | (0.01) | (0.01) | (0.017) | (0.017) | (0.017) | (0.018) | (0.013) | (0.013) | (0.013) | (0.025) | (0.013) | (0.026) |
| <i>My Math CC</i> | 0.012 | 0.019~ | 0.018* | 0.013 | 0.019 | 0.018 | 0.015 | 0.009 | 0.018 | 0.018 | 0.019 | 0.050* | 0.013 | 0.035 |
| | (0.008) | (0.010) | (0.01) | (0.01) | (0.017) | (0.017) | (0.018) | (0.019) | (0.013) | (0.013) | (0.013) | (0.030) | (0.013) | (0.032) |
| <i>enVision</i> | -0.032*** | -0.029** | -0.028*** | -0.013 | -0.075** | -0.076** | -0.078** | -0.079** | -0.027** | -0.028** | -0.026** | 0.021 | -0.013 | 0.025 |
| | (0.009) | (0.010) | (0.011) | (0.011) | (0.034) | (0.034) | (0.036) | (0.038) | (0.013) | (0.013) | (0.013) | (0.027) | (0.013) | (0.030) |
| <i>Math Expressions CC</i> | 0.032** | 0.039** | 0.038*** | | 0.021 | 0.022 | 0.020 | | 0.046*** | 0.046*** | 0.046*** | 0.178 | | |
| | (0.011) | (0.013) | (0.013) | | (0.025) | (0.025) | (0.026) | | (0.016) | (0.016) | (0.017) | (0.253) | | |
| <i>Everyday Mathematics CC</i> | -0.012 | -0.009 | -0.009 | | 0.017 | 0.015 | 0.014 | | -0.019 | -0.018 | -0.016 | 0.040 | | |
| | (0.010) | (0.012) | (0.012) | | (0.018) | (0.019) | (0.019) | | (0.017) | (0.017) | (0.017) | (0.042) | | |
| <i>Math in Focus CC</i> | -0.001 | 0.002 | 0.004 | | 0.000 | 0.000 | -0.000 | | 0.009 | 0.003 | 0.006 | -0.085 | | |
| | (0.015) | (0.017) | (0.017) | | (0.022) | (0.022) | (0.022) | | (0.028) | (0.028) | (0.028) | (0.068) | | |
| <i>Everyday Math</i> | 0.076*** | 0.086*** | 0.089*** | | -0.020 | -0.021 | -0.026 | | 0.119*** | 0.117*** | 0.122*** | 0.157*** | | |
| | (0.013) | (0.015) | (0.015) | | (0.028) | (0.028) | (0.029) | | (0.018) | (0.019) | (0.019) | (0.040) | | |
| <i>Bridges in Mathematics CC</i> | 0.005 | 0.010 | 0.01 | | 0.067** | 0.069** | 0.065** | | -0.015 | -0.020 | -0.017 | -0.083 | | |
| | (0.015) | (0.018) | (0.018) | | (0.032) | (0.033) | (0.033) | | (0.021) | (0.022) | (0.022) | (0.062) | | |
| <i>Houghton Mifflin Math</i> | -0.028* | -0.020 | | | 0.044 | 0.046 | | | -0.026 | -0.027 | | | | |
| | (0.014) | (0.015) | | | (0.089) | (0.090) | | | (0.017) | (0.017) | | | | |
| <i>Stepping Stones CC</i> | 0.028 | 0.010 | | | -0.018 | -0.019 | | | 0.065 | 0.071 | | | | |
| | (0.023) | (0.031) | | | (0.036) | (0.036) | | | (0.061) | (0.061) | | | | |
| <i>Ready Common Core CC</i> | -0.007 | -0.020 | | | -0.013 | -0.015 | | | -0.061 | -0.060 | | | | |
| | (0.024) | (0.039) | | | (0.046) | (0.047) | | | (0.076) | (0.075) | | | | |
| <i>Math Connects</i> | 0.010 | 0.015 | | | 0.015 | 0.017 | | | | | | | | |
| | (0.023) | (0.028) | | | (0.029) | (0.029) | | | | | | | | |
| <i>Math Expressions</i> | -0.022 | -0.016 | | | -0.013 | -0.014 | | | -0.003 | -0.005 | | | | |
| | (0.027) | (0.034) | | | (0.038) | (0.039) | | | (0.081) | (0.082) | | | | |
| School Fixed Effects | No | No | No | No | No | No | No | No | No | No | No | Yes | No | Yes |
| P-Value from Test of Joint Significance | 0.000 | 0.000 | 0.000 | 0.026 | 0.200 | 0.323 | 0.151 | 0.109 | 0.000 | 0.000 | 0.000 | 0.000 | 0.004 | 0.467 |
| SD of Textbook Fixed Effects | 0.081 | 0.029 | 0.0315 | 0.0108 | 0.0915 | 0.0345 | 0.039 | 0.048 | 0.0527 | 0.048 | 0.047 | 0.092 | 0.018 | 0.044 |
| School*Year Observations | 11,516 | 10,797 | 9911 | 7618 | 2,805 | 2,676 | 2,221 | 1,668 | 8,711 | 8,121 | 7,690 | 7,690 | 5,950 | 5,950 |

Notes: ~ p < .10, * p < .05, ** p < .01, *** p < .001. Estimates in each column come from separate models. In columns (1) to (11) and (13), we report textbook fixed effects from a multilevel mixed-effects linear regression of school value-added. We report coefficients for a set of binary indicators for each textbook. We also include school-by-year demographic characteristics, 2010-2014 district census characteristics, and state-by-year fixed effects (restricted to year fixed effects only or state fixed effects only in specifications limited to a single state or year). The omitted textbook category is *enVision* CC. The model also includes nested random effects for schools nested within districts. In columns (12) and (14), we estimate textbook fixed effects with an OLS regression of school value-added on the same set of binary indicators for whether a school used a given textbook, school-by-year demographic characteristics, school fixed effects, and year fixed effects. Standard errors in columns (12) and (14) are clustered at the district level. The sample is restricted to school-by-year observations with value added data for 2015, 2016, or 2017 who are known to have used one of the top 15 textbooks by market share. The 2017-specific estimates come from Maryland, New Jersey, New Mexico, and Washington, and exclude Louisiana (which did not have value-added data in that year) and California (which did not have textbook data in that year). Robust standard errors in parentheses.