**ONLINE APPENDIX**

Table A1. The Effect of Distance on the Number of Parties (Entire U.S.)

|  |  |
| --- | --- |
|  | Models |
|  | 1850 | 1875 | 1900 | 1925 | 1950 | 1975 | 2000 | 2016 |
| (log of) Distance in km | 0.018(0.030) | 0.0093(0.014) | 0.036\*\*\*(0.010) | 0.036\*\*(0.016) | 0.029(0.019) | 0.019(0.019) | 0.011(0.019) | 0.016(0.021) |
| State Population (in millions) | 0.23\*\*\*(0.044) | -0.044\*\*(0.020) | 0.015(0.020) | 0.011(0.10) | -0.013(0.011) | -0.012(0.0065) | -0.0065(0.0048) | -0.0032(0.0038) |
| Valid Votes (in millions) | 0.32(0.16) | 0.28(0.16) | 0.17(0.11) | 0.10\*\*(0.04) | 0.026\*\*(0.013) | 0.023\*\*(0.011) | 0.020(0.012) | 0.023(0.014) |
| State Dummies | YES | YES | YES | YES | YES | YES | YES | YES |
| Constant | 2.08\*\*\*(0.20) | 2.00\*\*\*(0.09) | 1.82\*\*\*(0.07) | 1.81\*\*\*(0.11) | 1.85\*\*\*(0.12) | 1.89\*\*\*(0.12) | 1.93\*\*\*(0.13) | 1.90\*\*\*(0.14) |
| Number of Observations | 1,390 | 4.289 | 8,188 | 13,159 | 17,740 | 22.830 | 27,759 | 31,574 |
| R2 | 0.18 | 0.13 | 0.15 | 0.23 | 0.24 | 0.24 | 0.20 | 0.19 |

Note: Shown are OLS coefficients with standard errors clustered by state in parentheses.

\*\*\*p < 0.01; \*\*p < 0.05.

Table A2. The Effect of Distance on the Number of Parties (U.S., Non-South)

|  |  |
| --- | --- |
|  | Models |
|  | 1850 | 1875 | 1900 | 1925 | 1950 | 1975 | 2000 | 2016 |
| (log of) Distance in km | -0.040(0.032) | -0.015(0.014) | 0.034\*\*(0.016) | 0.024(0.025) | 0.014(0.028) | 0.0094(0.029) | 0.016(0.026) | 0.030(0.021) |
| State Population (in millions) | 0.25\*\*\*(0.039) | -0.040(0.021) | 0.014(0.019) | 0.022\*\*\*(0.0079) | -0.0048(0.0080) | -0.010(0.0061) | -0.0080(0.0058) | -0.0064(0.0048) |
| Valid Votes (in millions) | 0.55(0.41) | 0.14(0.12) | 0.064(0.036) | 0.061\*\*\*(0.018) | 0.0150(0.0091) | 0.0090(0.0078) | 0.0009(0.012) | -0.0005(0.015) |
| State Dummies | YES | YES | YES | YES | YES | YES | YES | YES |
| Constant | 2.44\*\*\*(0.21) | 2.16\*\*\*(0.09) | 1.84\*\*\*(0.11) | 1.89\*\*\*(0.17) | 1.95\*\*\*(0.18) | 1.95\*\*\*(0.19) | 1.90\*\*\*(0.17) | 1.82\*\*\*(0.14) |
| Number of Observations | 1,038 | 3,339 | 6,254 | 10,202 | 14,082 | 18,254 | 21,958 | 24,631 |
| R2 | 0.14 | 0.07 | 0.07 | 0.05 | 0.04 | 0.06 | 0.07 | 0.08 |

Note: Shown are OLS coefficients with standard errors clustered by state in parentheses.

\*\*\*p < 0.01; \*\*p < 0.05.

Table A3. The Effect of Distance on the Number of Parties (Entire U.S.) with a Restricted Sample

|  |  |
| --- | --- |
|  | Models |
|  | 1875 | 1900 | 1925 | 1950 | 1975 | 2000 | 2016 |
| (log of) Distance in km | -0.00060(0.019) | 0.040\*\*\*(0.012) | 0.039\*\*(0.018) | 0.030(0.021) | 0.019(0.021) | 0.011(0.022) | 0.017(0.024) |
| State Population (in millions) | -0.12(0.059) | 0.022(0.024) | 0.011(0.13) | -0.016(0.014) | -0.013(0.0068) | -0.0062(0.0050) | -0.0028(0.0039) |
| Valid Votes (in millions) | 0.33(0.22) | 0.15(0.11) | 0.087\*\*(0.034) | 0.022(0.011) | 0.022(0.011) | 0.023(0.013) | 0.030(0.016) |
| State Dummies | YES | YES | YES | YES | YES | YES | YES |
| Constant | 2.04\*\*\*(0.13) | 1.76\*\*\*(0.08) | 1.77\*\*\*(0.12) | 1.83\*\*\*(0.14) | 1.88\*\*\*(0.14) | 1.92\*\*\*(0.14) | 1.89\*\*\*(0.16) |
| Number of Observations | 2,854 | 6,459 | 10,751 | 14,597 | 18,925 | 23,120 | 26,327 |
| R2 | 0.15 | 0.16 | 0.24 | 0.27 | 0.26 | 0.22 | 0.21 |

Note: Shown are OLS coefficients with standard errors clustered by state in parentheses.

\*\*\*p < 0.01; \*\*p < 0.05.

Table A4. The Effect of Distance on the Number of Parties (U.S., Non-South) with a Restricted Sample

|  |  |
| --- | --- |
|  | Models |
|  | 1875 | 1900 | 1925 | 1950 | 1975 | 2000 | 2016 |
| (log of) Distance in km | -0.0073(0.031) | 0.049\*\*(0.017) | 0.033(0.029) | 0.021(0.031) | 0.014(0.032) | 0.022(0.029) | 0.038(0.023) |
| State Population (in millions) | -0.11(0.061) | 0.017(0.023) | 0.025\*\*\*(0.008) | -0.0071(0.0103) | -0.011(0.007) | -0.0081(0.0062) | -0.0064(0.0050) |
| Valid Votes (in millions) | 0.15(0.12) | 0.062(0.034) | 0.050\*\*(0.018) | 0.011(0.007) | 0.0079(0.0073) | 0.0032(0.012) | 0.0034(0.014) |
| State Dummies | YES | YES | YES | YES | YES | YES | YES |
| Constant | 2.09\*\*\*(0.21) | 1.71\*\*\*(0.12) | 1.81\*\*\*(0.19) | 1.89\*\*\*(0.20) | 1.91\*\*\*(0.21) | 1.85\*\*\*(0.18) | 1.76\*\*\*(0.15) |
| Number of Observations | 2,256 | 4,877 | 8,146 | 11,291 | 14,701 | 17,671 | 19,736 |
| R2 | 0.10 | 0.06 | 0.04 | 0.04 | 0.07 | 0.07 | 0.09 |

Note: Shown are OLS coefficients with standard errors clustered by state in parentheses.

\*\*\*p < 0.01; \*\*p < 0.05.

Table A5. The Effect of Distance on the Number of Parties (U.S., Non-South)

|  |  |
| --- | --- |
|  | Models |
|  |  G MT-5 | GMT-6 | GMT-7 | GMT-8 |
| Election Year | -0.0021\*\*\*(0.00047) | -0.0020\*\*\*(0.00046) | -0.0038\*\*(0.0011) | -0.0072\*\*(0.0016) |
| State Population (in millions) | 0.017(0.0089) | -0.010(0.0069) | 0.047\*\*\*(0.0116) | 0.015\*\*(0.0042) |
| Valid Votes (in millions) | 0.045\*\*\*(0.014) | 0.025(0.016) | 0.61(0.27) | 1.24\*\*\*(0.10) |
| State Dummies | YES | YES | YES | YES |
| Constant | 6.04\*\*\*(0.90) | 5.94\*\*\*(0.84) | 9.23\*\*\*(2.04) | 15.54\*\*\*(3.05) |
| Number of Observations | 15,036 | 5,995 | 857 | 2,743 |
| R2- | 0.11 | 0.13 | 0.14 | 0.15 |

Note: Shown are OLS coefficients with standard errors clustered by state in parentheses.

\*\*\*p < 0.01; \*\*p < 0.05.

Table A6. The Effect of Distance on the Number of Parties (State-Level Analysis)

|  |  |
| --- | --- |
|  | Models |
|  | 1850 | 1875 | 1900 | 1925 | 1950 | 1975 | 2000 | 2016 |
| Distance in Hundreds of km from State Capital | 0.0058(0.0060) | 0.0023(0.0028) | 0.0051\*\*(0.0023) | 0.0050\*\*(0.0024) | 0.0031(0.0022) | 0.0024(0.0019) | 0.0023(0.0017) | 0.0024(0.0015) |
| State Population (in millions) | 0.011(0.053) | 0.014(0.023) | 0.022(0.010) | 0.0009(0.016) | -0.010(0.017) | -0.012(0.011) | -0.0097(0.0073) | -0.0076(0.0057) |
| Valid Votes (in millions) | 0.15(0.18) | 0.63(0.40) | 0.97(0.49) | 1.70\*\*\*(0.52) | 0.039(0.034) | 0.040(0.033) | 0.036(0.031) | 0.036(0.031) |
| State Dummies | NO | NO | NO | NO | NO | NO | NO | NO |
| Constant | 1.94\*\*\*(0.07) | 1.89\*\*\*(0.04) | 1.87\*\*\*(0.04) | 1.85\*\*\*(0.05) | 1.91\*\*\*(0.05) | 1.90\*\*\*(0.04) | 1.89\*\*\*(0.04) | 1.88\*\*\*(0.04) |
| Number of Observations | 175 | 576 | 1,064 | 1,660 | 2,215 | 2,837 | 3,412 | 3,844 |
| R2 | 0.011 | 0.029 | 0.062 | 0.096 | 0.016 | 0.018 | 0.020 | 0.019 |

Note: Shown are OLS coefficients with standard errors clustered by state in parentheses.

\*\*\*p < 0.01; \*\*p < 0.05.