**Appendix**





Figure A1 Average TFP of the treatment and control groups with high and low levels of *density*(*SOE*)/*density*(non*SOE*)



Figure A2 Average labor productivity of the treatment and control groups with high and low levels of *density*(*SOE*)/*density*(non*SOE*)

Table A1 Baseline results (TFP)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 　 | 1 year after | 2 years after | 3 years after | 4 years after |
| *post* | 0.140\*\*\* | 0.226\*\*\* | 0.196\*\*\* | 0.384\*\*\* |
|  | (0.0149) | (0.0174) | (0.0206) | (0.0249) |
| *Reform* | -0.0193 | -0.023 | -0.0333\* | -0.031 |
|  | (0.0172) | (0.0180) | (0.0182) | (0.0189) |
| *density(nonSOE)* | 0.133\*\*\* | 0.283\*\*\* | 0.199\*\*\* | 0.327\*\*\* |
|  | (0.0138) | (0.0145) | (0.0157) | (0.0173) |
| *density(SOE)* | -0.0794\*\*\* | -0.171\*\*\* | -0.128\*\*\* | -0.214\*\*\* |
|  | (0.0139) | (0.0153) | (0.0173) | (0.0189) |
| *post\*Reform* | 0.0509\*\* | 0.0510\*\* | 0.0571\*\* | 0.0418 |
|  | (0.0212) | (0.0242) | (0.0277) | (0.0325) |
| *Reform\*density(nonSOE)* | 0.0482\*\*\* | 0.0505\*\*\* | 0.0293\*\* | 0.0235 |
|  | (0.0132) | (0.0140) | (0.0144) | (0.0150) |
| *Reform\*density(SOE)* | -0.0378\*\*\* | -0.0400\*\*\* | -0.0288\*\* | -0.0225 |
|  | (0.0127) | (0.0135) | (0.0139) | (0.0145) |
| *post\*density(nonSOE)* | -0.0720\*\*\* | -0.176\*\*\* | -0.0898\*\*\* | -0.202\*\*\* |
|  | (0.0115) | (0.0142) | (0.0176) | (0.0219) |
| *post\*density(SOE)* | 0.0883\*\*\* | 0.196\*\*\* | 0.132\*\*\* | 0.238\*\*\* |
|  | (0.0103) | (0.0122) | (0.0145) | (0.0175) |
| *post\*Reform\*density(nonSOE)* | 0.0932\*\*\* | 0.103\*\*\* | 0.0786\*\*\* | 0.0890\*\*\* |
|  | (0.0169) | (0.0202) | (0.0242) | (0.0287) |
| *post\*Reform\*density(SOE)* | 0.0540\*\*\* | 0.0632\*\*\* | 0.0498\*\*\* | 0.0278 |
|  | (0.0148) | (0.0168) | (0.0188) | (0.0211) |
| Constant | 1.308\*\*\* | 1.409\*\*\* | 1.347\*\*\* | 1.409\*\*\* |
|  | (0.0294) | (0.0302) | (0.0316) | (0.0331) |
| Fixed effects | year, industry, region, year-industry, year-region, industry-region |
| Observations | 73,621 | 63,387 | 54,787 | 49,510 |
| R-squared | 0.465 | 0.477 | 0.461 | 0.486 |

\* *p* < 0.1, \*\* *p* < 0.05, \*\*\* *p* < 0.01, Standard errors in parentheses

Table A2 Baseline results (output)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 　 | 1 year after | 2 years after | 3 years after | 4 years after |
| *post* | 0.142\*\*\* | 0.316\*\*\* | 0.439\*\*\* | 0.604\*\*\* |
|  | (0.0409) | (0.0475) | (0.0572) | (0.0679) |
| *Reform* | 0.0242 | 0.0486 | 0.0337 | 0.0184 |
|  | (0.0473) | (0.0490) | (0.0506) | (0.0517) |
| *density(nonSOE)* | 0.455\*\*\* | 0.425\*\*\* | 0.394\*\*\* | 0.428\*\*\* |
|  | (0.0380) | (0.0395) | (0.0436) | (0.0471) |
| *density(SOE)* | 0.398\*\*\* | 0.402\*\*\* | 0.429\*\*\* | 0.337\*\*\* |
|  | (0.0382) | (0.0417) | (0.0479) | (0.0516) |
| *post\*Reform* | 0.0644\*\* | 0.0499\* | 0.0632\*\* | 0.0364 |
|  | (0.0283) | (0.0260) | (0.0268) | (0.0386) |
| *Reform\*density(nonSOE)* | -0.0173 | 0.0312 | 0.0416 | 0.00944 |
|  | (0.0362) | (0.0383) | (0.0400) | (0.0410) |
| *Reform\*density(SOE)* | 0.0334 | 0.00601 | -0.0144 | 0.00764 |
|  | (0.0349) | (0.0369) | (0.0386) | (0.0395) |
| *post\*density(nonSOE)* | 0.317\*\*\* | 0.447\*\*\* | 0.458\*\*\* | 0.428\*\*\* |
|  | (0.0315) | (0.0387) | (0.0487) | (0.0597) |
| *post\*density(SOE)* | -0.207\*\*\* | -0.283\*\*\* | -0.292\*\*\* | -0.233\*\*\* |
|  | (0.0282) | (0.0332) | (0.0403) | (0.0477) |
| *post\*Reform\*density(nonSOE)* | 0.0949\*\* | 0.145\*\*\* | 0.144\*\* | 0.181\*\* |
|  | (0.0464) | (0.0551) | (0.0670) | (0.0784) |
| *post\*Reform\*density(SOE)* | 0.0372 | 0.0599 | 0.0552 | 0.0382 |
|  | (0.0406) | (0.0458) | (0.0523) | (0.0575) |
| Constant | 11.78\*\*\* | 11.73\*\*\* | 11.72\*\*\* | 11.61\*\*\* |
|  | (0.0809) | (0.0824) | (0.0877) | (0.0904) |
| Fixed effects | year, industry, region, year-industry, year-region, industry-region |
| Observations | 73,621 | 63,387 | 54,787 | 49,510 |
| R-squared | 0.391 | 0.385 | 0.382 | 0.381 |

\* *p* < 0.1, \*\* *p* < 0.05, \*\*\* *p* < 0.01, Standard errors in parentheses

Table A3 Estimation results for highly and lowly marketized regions (labor productivity)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 　 | 1 year after | 2 years after | 3 years after | 4 years after |
|  | Highly marketized regions | Lowly marketized regions | Highly marketized regions | Lowly marketized regions | Highly marketized regions | Lowly marketized regions | Highly marketized regions | Lowly marketized regions |
| *post* | 0.0655\* | 0.182\*\*\* | 0.172\*\*\* | 0.344\*\*\* | 0.248\*\*\* | 0.449\*\*\* | 0.372\*\*\* | 0.618\*\*\* |
|  | (0.0396) | (0.0451) | (0.0468) | (0.0519) | (0.0595) | (0.0606) | (0.0744) | (0.0692) |
| *Reform* | 0.133\*\*\* | 0.145\*\*\* | 0.0936\* | 0.155\*\*\* | 0.136\*\*\* | 0.154\*\*\* | 0.125\*\* | 0.178\*\*\* |
|  | (0.0471) | (0.0555) | (0.0491) | (0.0577) | (0.0514) | (0.0595) | (0.0522) | (0.0606) |
| *density(nonSOE)* | 0.0583 | 0.0112 | 0.0913\* | 0.0416 | 0.108\* | 0.0319 | 0.127\*\* | 0.0266 |
|  | (0.0470) | (0.0348) | (0.0505) | (0.0360) | (0.0592) | (0.0392) | (0.0623) | (0.0427) |
| *density(SOE)* | 0.0705\* | 0.137\*\*\* | 0.0712 | 0.214\*\*\* | 0.0719 | 0.253\*\*\* | 0.0625 | 0.212\*\*\* |
|  | (0.0406) | (0.0376) | (0.0463) | (0.0402) | (0.0573) | (0.0446) | (0.0633) | (0.0470) |
| *post\*Reform* | 0.0679\*\* | -0.00931 | 0.0766\* | 0.0473 | 0.0837\* | 0.0932 | 0.0904 | 0.0278 |
|  | (0.0360) | (0.0655) | (0.0447) | (0.0732) | (0.0493) | (0.0824) | (0.0748) | (0.0919) |
| *Reform\*density(nonSOE)* | -0.0645 | 0.000216 | 0.0246 | -0.00616 | -0.0135 | 0.0113 | 0.01 | -0.0436 |
|  | (0.0442) | (0.0370) | (0.0477) | (0.0387) | (0.0505) | (0.0406) | (0.0512) | (0.0415) |
| *Reform\*density(SOE)* | -0.0152 | -0.0909\*\* | -0.0692\* | -0.0901\*\* | -0.0624 | -0.110\*\*\* | -0.0745\* | -0.0693\* |
|  | (0.0375) | (0.0357) | (0.0403) | (0.0375) | (0.0428) | (0.0392) | (0.0435) | (0.0401) |
| *post\*density(nonSOE)* | 0.108\*\*\* | 0.161\*\*\* | 0.174\*\*\* | 0.259\*\*\* | 0.145\*\* | 0.281\*\*\* | 0.0407 | 0.334\*\*\* |
|  | (0.0374) | (0.0303) | (0.0458) | (0.0369) | (0.0580) | (0.0456) | (0.0713) | (0.0544) |
| *post\*density(SOE)* | -0.105\*\*\* | -0.0859\*\*\* | -0.138\*\*\* | -0.142\*\*\* | -0.113\*\* | -0.168\*\*\* | -0.0186 | -0.189\*\*\* |
|  | (0.0307) | (0.0271) | (0.0366) | (0.0317) | (0.0457) | (0.0380) | (0.0552) | (0.0441) |
| *post\*Reform\*density(nonSOE)* | 0.128\*\* | 0.0942\*\* | 0.110\* | 0.0555 | 0.0949\*\* | 0.0214 | 0.0678 | 0.0131 |
|  | (0.0533) | (0.0470) | (0.0639) | (0.0544) | (0.0413) | (0.0643) | (0.0919) | (0.0731) |
| *post\*Reform\*density(SOE)* | -0.0399 | 0.00621 | -0.0134 | 0.00838 | -0.0101 | -0.0178 | -0.0954 | -0.0215 |
|  | (0.0419) | (0.0417) | (0.0480) | (0.0462) | (0.0565) | (0.0517) | (0.0630) | (0.0561) |
| Constant | 5.482\*\*\* | 5.121\*\*\* | 5.513\*\*\* | 5.321\*\*\* | 5.518\*\*\* | 5.376\*\*\* | 5.538\*\*\* | 5.282\*\*\* |
|  | (0.0786) | (0.0879) | (0.0793) | (0.0897) | (0.0886) | (0.0926) | (0.0914) | (0.0948) |
| Fixed effects | year, industry, region, year-industry, year-region, industry-region |
| Observations | 37,135 | 36,454 | 31,447 | 31,532 | 26,224 | 27,869 | 23,490 | 25,183 |
| R-squared | 0.429 | 0.458 | 0.410 | 0.457 | 0.390 | 0.458 | 0.390 | 0.466 |

\* *p* < 0.1, \*\* *p* < 0.05, \*\*\* *p* < 0.01, Standard errors in parentheses

Table A4 Estimation results for highly and lowly marketized regions (TFP)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 　 | 1 year after | 2 years after | 3 years after | 4 years after |
|  | Highly marketized regions | Lowly marketized regions | Highly marketized regions | Lowly marketized regions | Highly marketized regions | Lowly marketized regions | Highly marketized regions | Lowly marketized regions |
| *post* | 0.147\*\*\* | 0.0892\*\*\* | 0.268\*\*\* | 0.0456\* | 0.242\*\*\* | 0.0496\* | 0.374\*\*\* | 0.228\*\*\* |
|  | (0.0208) | (0.0224) | (0.0253) | (0.0253) | (0.0312) | (0.0298) | (0.0393) | (0.0352) |
| *Reform* | -0.0402 | 0.00611 | -0.0455\* | 0.00612 | -0.0672\*\* | -0.00975 | -0.0509\* | -0.0144 |
|  | (0.0247) | (0.0275) | (0.0266) | (0.0281) | (0.0270) | (0.0292) | (0.0276) | (0.0309) |
| *density(nonSOE)* | 0.213\*\*\* | 0.0508\*\*\* | 0.417\*\*\* | 0.128\*\*\* | 0.215\*\*\* | 0.112\*\*\* | 0.351\*\*\* | 0.196\*\*\* |
|  | (0.0246) | (0.0173) | (0.0274) | (0.0176) | (0.0310) | (0.0192) | (0.0330) | (0.0217) |
| *density(SOE)* | -0.138\*\*\* | -0.0293 | -0.287\*\*\* | -0.0575\*\*\* | -0.160\*\*\* | -0.0670\*\*\* | -0.191\*\*\* | -0.190\*\*\* |
|  | (0.0213) | (0.0186) | (0.0251) | (0.0196) | (0.0300) | (0.0219) | (0.0335) | (0.0239) |
| *post\*Reform* | 0.0247 | 0.0417 | 0.0302 | 0.0702\*\* | 0.0867\*\* | 0.0538 | 0.0463 | 0.0661 |
|  | (0.0294) | (0.0325) | (0.0350) | (0.0357) | (0.0416) | (0.0405) | (0.0501) | (0.0468) |
| *Reform\*density(nonSOE)* | 0.0543\*\* | 0.0239 | 0.0368 | 0.0258 | -0.0108 | 0.0402\*\* | 0.0338 | 0.00612 |
|  | (0.0232) | (0.0184) | (0.0258) | (0.0189) | (0.0265) | (0.0199) | (0.0271) | (0.0211) |
| *Reform\*density(SOE)* | -0.0531\*\*\* | 0.0017 | -0.0367\* | 0.00127 | -0.0139 | -0.0234 | -0.0417\* | 0.00674 |
|  | (0.0197) | (0.0177) | (0.0218) | (0.0183) | (0.0224) | (0.0193) | (0.0230) | (0.0204) |
| *post\*density(nonSOE)* | -0.113\*\*\* | -0.0173 | -0.240\*\*\* | -0.0440\*\* | -0.152\*\*\* | 0.0157 | -0.213\*\*\* | -0.132\*\*\* |
|  | (0.0196) | (0.0150) | (0.0248) | (0.0180) | (0.0304) | (0.0224) | (0.0377) | (0.0277) |
| *post\*density(SOE)* | 0.137\*\*\* | 0.0452\*\*\* | 0.281\*\*\* | 0.115\*\*\* | 0.200\*\*\* | 0.0746\*\*\* | 0.312\*\*\* | 0.202\*\*\* |
|  | (0.0161) | (0.0134) | (0.0198) | (0.0155) | (0.0239) | (0.0186) | (0.0292) | (0.0225) |
| *post\*Reform\*density(nonSOE)* | 0.0683\*\* | 0.0428\* | 0.123\*\*\* | 0.00491 | 0.152\*\*\* | 0.0800\*\* | 0.0872\* | 0.0592 |
|  | (0.0280) | (0.0233) | (0.0346) | (0.0265) | (0.0410) | (0.0316) | (0.0486) | (0.0372) |
| *post\*Reform\*density(SOE)* | 0.0482\*\* | 0.0136 | 0.0750\*\*\* | 0.0098 | 0.111\*\*\* | 0.0472\* | 0.0443 | 0.0173 |
|  | (0.0220) | (0.0207) | (0.0260) | (0.0225) | (0.0296) | (0.0254) | (0.0333) | (0.0286) |
| Constant | 1.304\*\*\* | 1.272\*\*\* | 1.372\*\*\* | 1.375\*\*\* | 1.290\*\*\* | 1.327\*\*\* | 1.441\*\*\* | 1.255\*\*\* |
|  | (0.0412) | (0.0436) | (0.0429) | (0.0438) | (0.0465) | (0.0455) | (0.0483) | (0.0482) |
| Fixed effects | year, industry, region, year-industry, year-region, industry-region |
| Observations | 37,135 | 36,454 | 31,447 | 31,532 | 26,224 | 27,869 | 23,490 | 25,183 |
| R-squared | 0.494 | 0.478 | 0.501 | 0.490 | 0.478 | 0.479 | 0.519 | 0.491 |

\* *p* < 0.1, \*\* *p* < 0.05, \*\*\* *p* < 0.01, Standard errors in parentheses

Table A5 Estimation results for highly and lowly marketized regions (Output)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 　 | 1 year after | 2 years after | 3 years after | 4 years after |
|  | Highly marketized regions | Lowly marketized regions | Highly marketized regions | Lowly marketized regions | Highly marketized regions | Lowly marketized regions | Highly marketized regions | Lowly marketized regions |
| *post* | 0.181\*\*\* | 0.124\*\* | 0.354\*\*\* | 0.240\*\*\* | 0.489\*\*\* | 0.387\*\*\* | 0.620\*\*\* | 0.577\*\*\* |
|  | (0.0635) | (0.0543) | (0.0735) | (0.0645) | (0.0858) | (0.0824) | (0.0989) | (0.1040) |
| *Reform* | 0.191\*\* | 0.0849 | 0.187\*\* | 0.133\*\* | 0.181\*\* | 0.109 | 0.227\*\*\* | 0.126\* |
|  | (0.0781) | (0.0645) | (0.0817) | (0.0677) | (0.0843) | (0.0712) | (0.0865) | (0.0730) |
| *density(nonSOE)* | 0.484\*\*\* | 0.381\*\*\* | 0.454\*\*\* | 0.403\*\*\* | 0.380\*\*\* | 0.433\*\*\* | 0.418\*\*\* | 0.435\*\*\* |
|  | (0.0490) | (0.0644) | (0.0511) | (0.0697) | (0.0555) | (0.0820) | (0.0609) | (0.0871) |
| *density(SOE)* | 0.524\*\*\* | 0.199\*\*\* | 0.561\*\*\* | 0.164\*\* | 0.573\*\*\* | 0.155\* | 0.457\*\*\* | 0.0857 |
|  | (0.0529) | (0.0556) | (0.0569) | (0.0639) | (0.0632) | (0.0793) | (0.0671) | (0.0885) |
| *post\*Reform* | 0.0875\*\*\* | 0.142\* | 0.0776\*\* | 0.0602 | 0.151\* | 0.0482 | 0.174 | -0.0789 |
|  | (0.0321) | (0.0767) | (0.0384) | (0.0892) | (0.0917) | (0.1100) | (0.1310) | (0.1320) |
| *Reform\*density(nonSOE)* | -0.0989\* | -0.0203 | -0.0875 | 0.0847 | -0.0611 | 0.0704 | -0.140\*\* | 0.106 |
|  | (0.0521) | (0.0605) | (0.0548) | (0.0657) | (0.0574) | (0.0699) | (0.0592) | (0.0716) |
| *Reform\*density(SOE)* | 0.0443 | 0.0367 | 0.0392 | -0.0219 | 0.0119 | -0.0252 | 0.0633 | -0.0414 |
|  | (0.0503) | (0.0514) | (0.0531) | (0.0556) | (0.0556) | (0.0592) | (0.0572) | (0.0609) |
| *post\*density(nonSOE)* | 0.344\*\*\* | 0.230\*\*\* | 0.500\*\*\* | 0.326\*\*\* | 0.528\*\*\* | 0.325\*\*\* | 0.570\*\*\* | 0.186\* |
|  | (0.0426) | (0.0513) | (0.0523) | (0.0632) | (0.0646) | (0.0802) | (0.0777) | (0.0996) |
| *post\*density(SOE)* | -0.208\*\*\* | -0.183\*\*\* | -0.310\*\*\* | -0.216\*\*\* | -0.337\*\*\* | -0.185\*\*\* | -0.349\*\*\* | -0.0196 |
|  | (0.0381) | (0.0421) | (0.0449) | (0.0504) | (0.0537) | (0.0632) | (0.0631) | (0.0771) |
| *post\*Reform\*density(nonSOE)* | 0.145\*\* | 0.151\*\* | 0.144\*\* | 0.109 | 0.151\* | 0.135 | 0.189 | 0.146 |
|  | (0.0662) | (0.0730) | (0.0690) | (0.0881) | (0.0911) | (0.1080) | (0.1340) | (0.1280) |
| *post\*Reform\*density(SOE)* | 0.0474 | 0.00363 | 0.0518 | 0.0459 | 0.0015 | 0.0687 | 0.0379 | -0.0049 |
|  | (0.0587) | (0.0575) | (0.0655) | (0.0662) | (0.0732) | (0.0782) | (0.0802) | (0.0881) |
| Constant | 12.23\*\*\* | 11.18\*\*\* | 12.25\*\*\* | 11.14\*\*\* | 12.14\*\*\* | 11.15\*\*\* | 11.98\*\*\* | 11.04\*\*\* |
|  | (0.1240) | (0.1080) | (0.1270) | (0.1090) | (0.1310) | (0.1230) | (0.1350) | (0.1280) |
| Fixed effects | year, industry, region, year-industry, year-region, industry-region |
| Observations | 37,135 | 36,454 | 31,447 | 31,532 | 26,224 | 27,869 | 23,490 | 25,183 |
| R-squared | 0.458 | 0.393 | 0.451 | 0.373 | 0.452 | 0.352 | 0.450 | 0.345 |

\* *p* < 0.1, \*\* *p* < 0.05, \*\*\* *p* < 0.01, Standard errors in parentheses

Table A6 Estimation results on financial performance (Leverage ratio)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 　 | 1 year after | 2 years after | 3 years after | 4 years after |
| *post* | -0.00406 | -0.0122\* | -0.00735 | -0.0169\* |
|  | (0.0058) | (0.0067) | (0.0081) | (0.0095) |
| *Reform* | 0.0488\*\*\* | 0.0466\*\*\* | 0.0457\*\*\* | 0.0461\*\*\* |
|  | (0.0067) | (0.0069) | (0.0071) | (0.0072) |
| *density(nonSOE)* | -0.00832\*\* | -0.00906\*\* | -0.0144\*\* | -0.0116\* |
|  | (0.0034) | (0.0044) | (0.0061) | (0.0066) |
| *density(SOE)* | -0.0148\*\*\* | -0.00942 | -0.00279 | -0.00687 |
|  | (0.0054) | (0.0059) | (0.0068) | (0.0072) |
| *post\*Reform* | -0.0125\*\* | -0.0120\* | -0.00851 | -0.00673 |
|  | (0.0052) | (0.0063) | (0.0081) | (0.0103) |
| *Reform\*density(nonSOE)* | 0.0193\*\*\* | 0.0159\*\*\* | 0.0167\*\*\* | 0.0169\*\*\* |
|  | (0.0051) | (0.0054) | (0.0056) | (0.0057) |
| *Reform\*density(SOE)* | 0.0108\*\* | 0.0124\*\* | 0.0112\*\* | 0.0115\*\* |
|  | (0.0049) | (0.0052) | (0.0054) | (0.0055) |
| *post\*density(nonSOE)* | -0.00525 | -0.0140\*\* | -0.0115\* | -0.0209\*\* |
|  | (0.0044) | (0.0055) | (0.0069) | (0.0083) |
| *post\*density(SOE)* | 0.00124 | 0.0037 | 0.00185 | 0.00635 |
|  | (0.0040) | (0.0047) | (0.0057) | (0.0066) |
| *post\*Reform\*density(nonSOE)* | -0.00907\*\* | -0.00948\*\* | -0.0107\* | -0.0109 |
|  | (0.0042) | (0.0048) | (0.0054) | (0.0070) |
| *post\*Reform\*density(SOE)* | 0.00944\* | 0.00762 | 0.00753 | 0.00442 |
|  | (0.0057) | (0.0065) | (0.0074) | (0.0080) |
| Constant | 0.440\*\*\* | 0.445\*\*\* | 0.448\*\*\* | 0.445\*\*\* |
|  | (0.0114) | (0.0116) | (0.0123) | (0.0126) |
| Fixed effects | year, industry, region, year-industry, year-region, industry-region |
| Observations | 73,621 | 63,387 | 54,787 | 49,510 |
| R-squared | 0.266 | 0.258 | 0.257 | 0.256 |

\* *p* < 0.1, \*\* *p* < 0.05, \*\*\* *p* < 0.01, Standard errors in parentheses

Table A7 Estimation results with pseudo treatment year (labor productivity)

|  |  |  |
| --- | --- | --- |
| 　 | 1 year after | 2 years after |
| *post* | 0.118 | 0.218 |
|  | (0.0386) | (0.0435) |
| *Reform* | -0.140\*\*\* | -0.151\*\*\* |
|  | (0.0476) | (0.0484) |
| *density(nonSOE)* | 0.0441 | 0.0201 |
|  | (0.0367) | (0.0374) |
| *density(SOE)* | 0.174\*\*\* | 0.173\*\*\* |
|  | (0.0398) | (0.0408) |
| *post\*Reform* | 0.0188 | -0.00658 |
|  | (0.0558) | (0.0596) |
| *Reform\*density(nonSOE)* | 0.0157 | 0.0211 |
|  | (0.0398) | (0.0406) |
| *Reform\*density(SOE)* | -0.107 | -0.122\* |
|  | (0.0406) | (0.0415) |
| *post\*density(nonSOE)* | 0.149 | 0.268\* |
|  | (0.0323) | (0.0381) |
| *post\*density(SOE)* | -0.104\*\*\* | -0.203\*\*\* |
|  | (0.0306) | (0.0339) |
| *post\*Reform\*density(nonSOE)* | 0.00923 | 0.084 |
|  | (0.0480) | (0.0523) |
| *post\*Reform\*density(SOE)* | 0.0157 | 0.0321 |
|  | (0.0457) | (0.0471) |
| Constant | 5.340\*\*\* | 5.292\*\*\* |
|  | (0.0786) | (0.0762) |
| Fixed effects | year, industry, region, year-industry, year-region, industry-region |
| Observations | 39,206 | 36,232 |
| R-squared | 0.458 | 0.459 |

1. \* *p* < 0.1, \*\* *p* < 0.05, \*\*\* *p* < 0.01, Standard errors in parentheses

2. The pseudo treatment year is defined as two years before the actual reform year.

Table A8 Estimation results with pseudo treatment year (TFP)

|  |  |  |
| --- | --- | --- |
| 　 | 1 year after | 2 years after |
| *post* | 0.0404 | 0.0417\* |
|  | (0.0185) | (0.0209) |
| *Reform* | 0.0149 | 0.0228 |
|  | (0.0228) | (0.0233) |
| *density(nonSOE)* | 0.0514\*\*\* | 0.0491\*\*\* |
|  | (0.0176) | (0.0180) |
| *density(SOE)* | 0.0802\*\*\* | 0.0634\*\*\* |
|  | (0.0191) | (0.0196) |
| *post\*Reform* | 0.0119 | 0.0344 |
|  | (0.0268) | (0.0287) |
| *Reform\*density(nonSOE)* | 0.0122 | 0.0234 |
|  | (0.0191) | (0.0195) |
| *Reform\*density(SOE)* | 0.00659 | 0.000649 |
|  | (0.0195) | (0.0200) |
| *post\*density(nonSOE)* | 0.0328\*\* | 0.109\*\*\* |
|  | (0.0155) | (0.0183) |
| *post\*density(SOE)* | 0.00276 | 0.0572\* |
|  | (0.0147) | (0.0163) |
| *post\*Reform\*density(nonSOE)* | 0.0264 | 0.120 |
|  | (0.0230) | (0.0252) |
| *post\*Reform\*density(SOE)* | 0.0252 | 0.0466 |
|  | (0.0219) | (0.0227) |
| Constant | 1.463\*\*\* | 1.431\*\*\* |
|  | (0.0377) | (0.0367) |
| Fixed effects | year, industry, region, year-industry, year-region, industry-region |
| Observations | 39,206 | 36,232 |
| R-squared | 0.490 | 0.487 |

1. \* *p* < 0.1, \*\* *p* < 0.05, \*\*\* *p* < 0.01, Standard errors in parentheses

2. The pseudo treatment year is defined as two years before the actual reform year.

Table A9 Estimation results with pseudo treatment year (Output)

|  |  |  |
| --- | --- | --- |
| 　 | 1 year after | 2 years after |
| *post* | 0.0985 | 0.311\*\* |
|  | (0.0538) | (0.0611) |
| *Reform* | 0.0738 | 0.0582 |
|  | (0.0663) | (0.0680) |
| *density(nonSOE)* | 0.426\*\*\* | 0.326\*\*\* |
|  | (0.0511) | (0.0526) |
| *density(SOE)* | 0.426\*\*\* | 0.354\*\*\* |
|  | (0.0554) | (0.0573) |
| *post\*Reform* | 0.0246 | -0.101 |
|  | (0.0778) | (0.0837) |
| *Reform\*density(nonSOE)* | 0.0410 | 0.0109 |
|  | (0.0554) | (0.0570) |
| *Reform\*density(SOE)* | -0.0358 | -0.0158 |
|  | (0.0566) | (0.0582) |
| *post\*density(nonSOE)* | 0.277 | 0.476\*\*\* |
|  | (0.0450) | (0.0535) |
| *post\*density(SOE)* | -0.177\*\*\* | -0.298\*\*\* |
|  | (0.0427) | (0.0477) |
| *post\*Reform\*density(nonSOE)* | 0.127 | 0.198 |
|  | (0.0669) | (0.0734) |
| *post\*Reform\*density(SOE)* | 0.0393 | 0.0808 |
|  | (0.0637) | (0.0661) |
| Constant | 11.71\*\*\* | 11.41\*\*\* |
|  | (0.110) | (0.107) |
| Fixed effects | year, industry, region, year-industry, year-region, industry-region |
| Observations | 39,206 | 36,232 |
| R-squared | 0.449 | 0.443 |

1. \* *p* < 0.1, \*\* *p* < 0.05, \*\*\* *p* < 0.01, Standard errors in parentheses

2. The pseudo treatment year is defined as two years before the actual reform year.