**Appendix**

Table A1 Impacts of climate-related disasters on employment

|  | Drought | Flooding | Heat | Hurricane/  tropic storm | Severe Storm/  thunder storm | Tornado | Wildfire | Winter Weather |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Dit* | -0.0069 | -0.0012 | 0.0005 | 0.003 | -0.0022\*\* | -0.0011 | 0.0097\*\*\* | 0.001 |
|  | (0.0042) | (0.0011) | (0.0028) | (0.0042) | (0.0011) | (0.0012) | (0.0037) | (0.0016) |
| *Pit* | 0.0031 | 0.0027\*\* | 0.0103\*\*\* | -0.0107\*\*\* | -0.0003 | -0.0040\*\*\* | 0.0178\*\*\* | 0.0058\*\*\* |
|  | (0.0026) | (0.0013) | (0.0018) | (0.0027) | (0.0020) | (0.0011) | (0.0024) | (0.0016) |
| *VDit* | 0.0069 | -0.0086\*\*\* | 0.0170\*\*\* | 0.0154\*\* | -0.0054\*\* | -0.0013 | 0.0191\*\*\* | -0.0024 |
|  | (0.0057) | (0.0022) | (0.0046) | (0.0060) | (0.0023) | (0.0028) | (0.0066) | (0.0025) |
| *VPit* | -0.0014 | -0.0050\* | 0.0045 | 0.0038 | -0.0191\*\*\* | 0.0005 | 0.0291\*\*\* | -0.0085\*\*\* |
|  | (0.0035) | (0.0026) | (0.0028) | (0.0040) | (0.0040) | (0.0024) | (0.0041) | (0.0026) |
| *tmean* | 0.0036 | 0.0027 | 0.0039 | 0.0036 | 0.0034 | 0.0033 | 0.0039 | 0.0035 |
|  | (0.0035) | (0.0035) | (0.0035) | (0.0035) | (0.0035) | (0.0035) | (0.0035) | (0.0035) |
| *precipitation* | 0.0003 | 0.0011 | 0.0004 | 0.0002 | 0.0006 | 0.0003 | 0.0014 | 0.0003 |
|  | (0.0020) | (0.0020) | (0.0020) | (0.0020) | (0.0020) | (0.0020) | (0.0020) | (0.0020) |
| *Sqr tmean* | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
|  | (0.0001) | (0.0001) | (0.0001) | (0.0001) | (0.0001) | (0.0001) | (0.0001) | (0.0001) |
| *Sqr\_precipitation* | -0.0001\* | -0.0002\*\* | -0.0001\* | -0.0001\* | -0.0002\* | -0.0001\* | -0.0002\*\* | -0.0001\* |
|  | (0.0001) | (0.0001) | (0.0001) | (0.0001) | (0.0001) | (0.0001) | (0.0001) | (0.0001) |
| *lpopden* | 0.0007\*\*\* | 0.0007\*\*\* | 0.0007\*\*\* | 0.0007\*\*\* | 0.0007\*\*\* | 0.0007\*\*\* | 0.0007\*\*\* | 0.0007\*\*\* |
|  | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) |
| *lpwhite* | 0.1465\*\*\* | 0.1454\*\*\* | 0.1522\*\*\* | 0.1460\*\*\* | 0.1492\*\*\* | 0.1451\*\*\* | 0.1524\*\*\* | 0.1461\*\*\* |
|  | (0.0236) | (0.0236) | (0.0236) | (0.0236) | (0.0236) | (0.0236) | (0.0236) | (0.0236) |
| *lpmale* | -0.4564\*\*\* | -0.4585\*\*\* | -0.4484\*\*\* | -0.4564\*\*\* | -0.4605\*\*\* | -0.4564\*\*\* | -0.4623\*\*\* | -0.4568\*\*\* |
|  | (0.0619) | (0.0619) | (0.0618) | (0.0618) | (0.0618) | (0.0619) | (0.0618) | (0.0619) |
| *lpa65o* | -0.4557\*\*\* | -0.4589\*\*\* | -0.4556\*\*\* | -0.4559\*\*\* | -0.4534\*\*\* | -0.4566\*\*\* | -0.4785\*\*\* | -0.4540\*\*\* |
|  | (0.0570) | (0.0570) | (0.0569) | (0.0570) | (0.0569) | (0.0569) | (0.0569) | (0.0569) |
| *lrespn* | 0.0346\*\*\* | 0.0337\*\*\* | 0.0337\*\*\* | 0.0343\*\*\* | 0.0341\*\*\* | 0.0339\*\*\* | 0.0286\*\* | 0.0348\*\*\* |
|  | (0.0116) | (0.0116) | (0.0116) | (0.0116) | (0.0116) | (0.0116) | (0.0116) | (0.0116) |
| *lassn* | 0.0916\*\*\* | 0.0916\*\*\* | 0.0923\*\*\* | 0.0914\*\*\* | 0.0917\*\*\* | 0.0918\*\*\* | 0.0909\*\*\* | 0.0920\*\*\* |
|  | (0.0054) | (0.0054) | (0.0054) | (0.0054) | (0.0054) | (0.0054) | (0.0054) | (0.0054) |
| *lpvote* | -0.3239\*\*\* | -0.3253\*\*\* | -0.3235\*\*\* | -0.3218\*\*\* | -0.3235\*\*\* | -0.3248\*\*\* | -0.3258\*\*\* | -0.3258\*\*\* |
|  | (0.0121) | (0.0120) | (0.0120) | (0.0121) | (0.0120) | (0.0121) | (0.0120) | (0.0121) |
| *ledu* | 1.4670\*\*\* | 1.4661\*\*\* | 1.4696\*\*\* | 1.4655\*\*\* | 1.4638\*\*\* | 1.4661\*\*\* | 1.4615\*\*\* | 1.4644\*\*\* |
|  | (0.0297) | (0.0297) | (0.0297) | (0.0297) | (0.0297) | (0.0297) | (0.0297) | (0.0297) |
| *N* | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 |
| *Chi square* | 9,840.91 | 9,880.39 | 9,928.79 | 9,881.04 | 9,893.43 | 9,859.12 | 10,075.83 | 9,859.42 |
| *P value* | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| *Wald test for spatial term* | 12,546.46 | 12,510.67 | 12,487.07 | 12,486.53 | 12,493.26 | 12,512.06 | 12,139.50 | 12,551.49 |
| *P value* | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Robust standard errors in parentheses; \* p<0.10, \*\* p<0.05, \*\*\* p<0.01; N is number of observations.

Table A2 Impacts of climate-related disasters on wage

|  | Drought | Flooding | Heat | Hurricane/  tropic storm | Severe Storm/  thunder storm | Tornado | Wildfire | Winter Weather |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *D* | -0.0114\*\* | -0.0006 | 0.0006 | 0.0017 | -0.0039\*\*\* | -0.0018 | 0.0009 | 0.0013 |
|  | (0.005) | (0.001) | (0.003) | (0.005) | (0.001) | (0.001) | (0.004) | (0.002) |
| *P* | -0.0014 | 0.0054\*\*\* | 0.0069\*\*\* | -0.0083\*\*\* | -0.0019 | -0.0061\*\*\* | 0.0118\*\*\* | 0.0002 |
|  | (0.003) | (0.002) | (0.002) | (0.003) | (0.002) | (0.001) | (0.003) | (0.002) |
| *VDit* | 0.0115\* | -0.0091\*\*\* | 0.0074 | 0.0110\* | -0.0091\*\*\* | -0.0086\*\*\* | 0.0089 | -0.0049\* |
|  | (0.006) | (0.002) | (0.005) | (0.006) | (0.002) | (0.003) | (0.007) | (0.003) |
| *VPit* | 0.0083\*\* | -0.0069\*\* | 0.0101\*\*\* | -0.0096\*\* | -0.0086\*\* | -0.0154\*\*\* | 0.0185\*\*\* | -0.0052\* |
|  | (0.004) | (0.003) | (0.003) | (0.004) | (0.004) | (0.003) | (0.004) | (0.003) |
| *tmean* | 0.0141\*\*\* | 0.0126\*\*\* | 0.0139\*\*\* | 0.0136\*\*\* | 0.0134\*\*\* | 0.0129\*\*\* | 0.0135\*\*\* | 0.0132\*\*\* |
|  | (0.004) | (0.003) | (0.003) | (0.003) | (0.003) | (0.003) | (0.003) | (0.003) |
| *precipitation* | 0.0017 | 0.0026 | 0.0018 | 0.0015 | 0.0022 | 0.0016 | 0.0023 | 0.0017 |
|  | (0.002) | (0.002) | (0.002) | (0.002) | (0.002) | (0.002) | (0.002) | (0.002) |
| *Sqr tmean* | -0.0005\*\*\* | -0.0004\*\*\* | -0.0005\*\*\* | -0.0005\*\*\* | -0.0004\*\*\* | -0.0004\*\*\* | -0.0004\*\*\* | -0.0004\*\*\* |
|  | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) |
| *Sqr\_precipitation* | -0.0001\* | -0.0001\* | -0.0001\* | -0.0001\* | -0.0001\* | -0.0001 | -0.0001\* | -0.0001\* |
|  | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) |
| *lpopden* | 0.0000\* | 0.0000\* | 0.0000\* | 0.0000\* | 0.0000\* | 0.0000\* | 0.0000\* | 0.0000\* |
|  | (0.0000) | (0.0000) | (0.0000) | (0.0000) | (0.0000) | (0.0000) | (0.0000) | (0.0000) |
| *lpwhite* | 0.2681\*\*\* | 0.2659\*\*\* | 0.2708\*\*\* | 0.2676\*\*\* | 0.2705\*\*\* | 0.2687\*\*\* | 0.2699\*\*\* | 0.2679\*\*\* |
|  | (0.026) | (0.026) | (0.026) | (0.026) | (0.026) | (0.026) | (0.026) | (0.026) |
| *lpmale* | -0.1137\* | -0.1184\* | -0.1039 | -0.1182\* | -0.1205\* | -0.1273\* | -0.1173\* | -0.1206\* |
|  | (0.068) | (0.068) | (0.068) | (0.068) | (0.068) | (0.068) | (0.068) | (0.068) |
| *lpa65o* | -0.3383\*\*\* | -0.3477\*\*\* | -0.3390\*\*\* | -0.3510\*\*\* | -0.3359\*\*\* | -0.3376\*\*\* | -0.3576\*\*\* | -0.3441\*\*\* |
|  | (0.062) | (0.062) | (0.062) | (0.062) | (0.062) | (0.062) | (0.062) | (0.062) |
| *lrespn* | -0.2414\*\*\* | -0.2433\*\*\* | -0.2428\*\*\* | -0.2442\*\*\* | -0.2422\*\*\* | -0.2455\*\*\* | -0.2458\*\*\* | -0.2418\*\*\* |
|  | (0.013) | (0.013) | (0.013) | (0.013) | (0.013) | (0.013) | (0.013) | (0.013) |
| *lassn* | -0.0467\*\*\* | -0.0463\*\*\* | -0.0460\*\*\* | -0.0465\*\*\* | -0.0465\*\*\* | -0.0460\*\*\* | -0.0467\*\*\* | -0.0466\*\*\* |
|  | (0.006) | (0.006) | (0.006) | (0.006) | (0.006) | (0.006) | (0.006) | (0.006) |
| *lpvote* | -0.3082\*\*\* | -0.3117\*\*\* | -0.3087\*\*\* | -0.3086\*\*\* | -0.3102\*\*\* | -0.3118\*\*\* | -0.3111\*\*\* | -0.3114\*\*\* |
|  | (0.013) | (0.013) | (0.013) | (0.013) | (0.013) | (0.013) | (0.013) | (0.013) |
| *ledu* | 0.5514\*\*\* | 0.5506\*\*\* | 0.5560\*\*\* | 0.5467\*\*\* | 0.5480\*\*\* | 0.5450\*\*\* | 0.5516\*\*\* | 0.5480\*\*\* |
|  | (0.032) | (0.032) | (0.032) | (0.032) | (0.032) | (0.032) | (0.032) | (0.032) |
| *N* | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 |
| *Chi square* | 5,646.80 | 5,685.41 | 5,705.36 | 5,701.12 | 5,693.76 | 5,761.97 | 5,729.06 | 5,652.89 |
| *P value* | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| *Wald test for spatial term* | 7,691.37 | 7,681.81 | 7,646.84 | 7,609.66 | 7,638.30 | 7,593.88 | 7,573.62 | 7,658.14 |
| *P value* | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Standard errors in parentheses; \* p<0.10, \*\* p<0.05, \*\*\* p<0.01; N is number of observations.