**Appendices**

**Supplementary Material for ‘Mandate Complexity and UN Peacekeeping Contributions’**

Table SM1. Main results reported in the paper in coefficient plots

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  | Model 1 | Model 2 |
|  |  |  |
| Non-democracy | -0.854\*\*\* | -0.451\*\*\* |
|  | (0.0733) | (0.0717) |
| Mandated tasks | 0.0887\*\*\* | 0.0613\*\*\* |
|  | (0.00443) | (0.00327) |
| Non-democracy\*tasks | 0.0613\*\*\* | 0.0387\*\*\* |
|  | (0.00461) | (0.00363) |
| GDP/cap (log) | 0.0743\*\*\* | -0.150\*\*\* |
|  | (0.0195) | (0.0143) |
| Population (log) | 0.502\*\*\* | 0.442\*\*\* |
|  | (0.0230) | (0.0173) |
| Military personnel | -0.174\*\*\* | -0.0207 |
|  | (0.0488) | (0.0406) |
| P5 | -0.408\*\*\* | -0.496\*\*\* |
|  | (0.119) | (0.0660) |
| Shared region | 0.149\*\*\* | -0.0563 |
|  | (0.0532) | (0.0365) |
| Colonial ties | 1.581\*\*\* | 0.814\*\*\* |
|  | (0.304) | (0.126) |
| Armed conflict | -0.682\*\*\* | -0.0184 |
|  | (0.0609) | (0.0444) |
| Chapter VII | 0.00101 | -0.458\*\*\* |
|  | (0.0636) | (0.0490) |
| Mission fatalities t-1 | 0.0574\*\*\* | 0.0450\*\*\* |
|  | (0.00666) | (0.00382) |
| Time | -0.0976\*\*\* | -0.165\*\*\* |
|  | (0.0265) | (0.0238) |
| Time squared | 0.00165 | 0.00548\*\*\* |
|  | (0.00187) | (0.00161) |
| Time cubed | 1.01e-05 | -5.87e-05\* |
|  | (3.83e-05) | (3.17e-05) |
| Constant | -7.276\*\*\* | 1.613\*\*\* |
|  | (0.353) | (0.291) |
| lnalpha | 3.177\*\*\* | 1.055\*\*\* |
|  | (0.00975) | (0.0100) |
| Observations | 64,755 | 13,187 |

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

Table SM2. Accounting for temporal dynamics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | Model 1 | Model 2 | Model 3 | Model 4 |
|  | Year FE | Year FE | 1990-1999 | 2000-2021 |
|  | UN members | Contributors | UN members | UN members |
| Non-democracy | -1.149\*\*\* | -0.235\*\*\* | -2.094\*\*\* | -0.379\*\*\* |
|  | (0.0364) | (0.0383) | (0.200) | (0.0886) |
| Mandated tasks | 0.0342\*\*\* | 0.0114\*\*\* | 0.00379 | 0.129\*\*\* |
|  | (0.00165) | (0.00165) | (0.0162) | (0.00469) |
| Non-democracy\*tasks | 0.0381\*\*\* | 0.0168\*\*\* | 0.179\*\*\* | 0.0383\*\*\* |
|  | (0.00188) | (0.00193) | (0.0229) | (0.00494) |
| GDP/cap (log) | -0.0202\*\*\* | -0.0283\*\*\* | 0.270\*\*\* | -0.00295 |
|  | (0.00720) | (0.00737) | (0.0574) | (0.0212) |
| Population (log) | 0.391\*\*\* | 0.132\*\*\* | 0.324\*\*\* | 0.616\*\*\* |
|  | (0.00952) | (0.00964) | (0.0664) | (0.0249) |
| Military personnel | 0.0332\* | 0.00780 | -0.704\*\*\* | -0.337\*\*\* |
|  | (0.0193) | (0.0212) | (0.112) | (0.0578) |
| P5 | 0.115\*\*\* | -0.152\*\*\* | -0.300 | -0.525\*\*\* |
|  | (0.0384) | (0.0374) | (0.285) | (0.130) |
| Shared region | 0.551\*\*\* | 0.0553\*\*\* | 0.0849 | 0.271\*\*\* |
|  | (0.0206) | (0.0201) | (0.145) | (0.0579) |
| Colonial ties | 1.010\*\*\* | 0.295\*\*\* | 1.686\*\* | 1.588\*\*\* |
|  | (0.0740) | (0.0698) | (0.751) | (0.327) |
| Armed conflict | -0.297\*\*\* | 0.00779 | -0.398\*\* | -0.656\*\*\* |
|  | (0.0234) | (0.0228) | (0.156) | (0.0669) |
| Chapter VII | 0.223\*\*\* | -0.0678\*\*\* | -0.0486 | -0.561\*\*\* |
|  | (0.0281) | (0.0261) | (0.162) | (0.0742) |
| Mission fatalities t-1 | -0.00373\* | 0.0138\*\*\* | 0.188\*\*\* | 0.0136\*\* |
|  | (0.00215) | (0.00197) | (0.0275) | (0.00652) |
| Time | 0.108\*\*\* | 0.0305\* | -0.262 | -1.151\*\*\* |
|  | (0.0158) | (0.0161) | (0.304) | (0.137) |
| Time squared | -0.00746\*\*\* | -0.00429\*\*\* | -0.00770 | 0.0499\*\*\* |
|  | (0.00105) | (0.00108) | (0.0639) | (0.00693) |
| Time cubed | 0.000135\*\*\* | 9.61e-05\*\*\* | 0.00191 | -0.000702\*\*\* |
|  | (2.05e-05) | (2.11e-05) | (0.00404) | (0.000112) |
| Constant | -9.944\*\*\* | -2.612\*\*\* | -7.847\*\*\* | -0.118 |
|  | (0.144) | (0.163) | (0.937) | (0.934) |
| lnalpha |  |  | 3.605\*\*\* | 3.038\*\*\* |
|  |  |  | (0.0238) | (0.0107) |
| Observations | 64,755 | 13,187 | 16,445 | 48,310 |

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

Table SM3. Heckman selection model

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | |  |
|  | Second stage  DV: Personnel | First stage  DV: Any contribution | |
|  |  |  | |
| Non-democracy | -327.2\*\*\* | -0.404\*\*\* | |
|  | (34.58) | (0.0147) | |
| Mandated tasks | 14.47\*\*\* | 0.0325\*\*\* | |
|  | (2.206) | (0.00104) | |
| Non-democracy\*tasks | 12.21\*\*\* |  | |
|  | (0.832) |  | |
| GDP/cap (log) | -5.869 | 0.0212\*\*\* | |
|  | (3.948) | (0.00492) | |
| Population (log) | 174.6\*\*\* | 0.241\*\*\* | |
|  | (17.45) | (0.00661) | |
| Military personnel | 1.387 | 0.0154 | |
|  | (10.62) | (0.0128) | |
| P5 | -115.4\*\*\* | 0.125\*\*\* | |
|  | (21.74) | (0.0322) | |
| Shared region | 156.7\*\*\* | 0.391\*\*\* | |
|  | (29.33) | (0.0149) | |
| Colonial ties | 382.5\*\*\* | 0.927\*\*\* | |
|  | (67.00) | (0.0869) | |
| Armed conflict | -52.25\*\* | -0.250\*\*\* | |
|  | (20.85) | (0.0165) | |
| Chapter VII | 58.41\*\*\* | 0.156\*\*\* | |
|  | (17.50) | (0.0184) | |
| Mission fatalities t-1 | 7.330\*\*\* | -0.00451\*\*\* | |
|  | (1.130) | (0.00162) | |
| Time |  | 0.0335\*\*\* | |
|  |  | (0.00914) | |
| Time squared |  | -0.00211\*\*\* | |
|  |  | (0.000621) | |
| Time cubed |  | 3.45e-05\*\*\* | |
|  |  | (1.23e-05) | |
| Constant | -3,562\*\*\* | -5.734\*\*\* | |
|  | (464.8) | (0.0988) | |
| Lambda | 565.7\*\*\*  (93.94)  0.89639  631.13908 | | |
|  |
| Rho |
| Sigma |
| Observations | 13,187 | 64,755 | |

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

Table SM4. Zero-inflated negative binomial regression model

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  | Second stage  Count model | First stage  Inflation model |
|  |  |  |
| Non-democracy | -0.859\*\*\* | 1.122\*\*\* |
|  | (0.0976) | (0.0557) |
| Mandated tasks | 0.0302\*\*\* | -0.119\*\*\* |
|  | (0.00357) | (0.00543) |
| Non-democracy\*tasks | 0.0524\*\*\* |  |
|  | (0.00491) |  |
| GDP/cap (log) | -0.286\*\*\* | -0.417\*\*\* |
|  | (0.0210) | (0.0257) |
| Population (log) | 0.598\*\*\* | -0.517\*\*\* |
|  | (0.0265) | (0.0294) |
| Military personnel | 0.160\*\*\* | 0.335\*\*\* |
|  | (0.0547) | (0.0505) |
| P5 | -0.163\* | -16.93 |
|  | (0.0898) | (1,116) |
| Shared region | 0.0347 | -1.028\*\*\* |
|  | (0.0503) | (0.0588) |
| Colonial ties | 1.367\*\*\* | -26.75 |
|  | (0.211) | (229,387) |
| Armed conflict | -0.0373 | 1.239\*\*\* |
|  | (0.0646) | (0.0639) |
| Chapter VII | -0.398\*\*\* | -0.552\*\*\* |
|  | (0.0610) | (0.0649) |
| Mission fatalities t-1 | 0.0744\*\*\* | 0.0406\*\*\* |
|  | (0.00533) | (0.00661) |
| Time |  | -0.0392 |
|  |  | (0.0299) |
| Time squared |  | 0.00264 |
|  |  | (0.00211) |
| Time cubed |  | -3.88e-05 |
|  |  | (4.30e-05) |
| Constant | 0.491 | 19.26\*\*\* |
|  | (0.389) | (0.510) |
| Lnalpha | 2.446\*\*\*  (0.0180)  64,755  13,187 | |
|  |
| Observations |
| Non-zero observations |

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

Table SM5. Alternative Independent Variable Specifications

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  | Model 1  Using Polity for non-democracy | Model 2  Dropping military personnel | Model 3  Not lagging mission fatalities |
|  |  |  |  |
| Non-democracy | -0.364\*\*\* | -0.820\*\*\* | -0.909\*\*\* |
|  | (0.0858) | (0.0677) | (0.0697) |
| Mandated tasks | 0.0919\*\*\* | 0.0856\*\*\* | 0.0832\*\*\* |
|  | (0.00483) | (0.00426) | (0.00418) |
| Non-democracy\*tasks | 0.0493\*\*\* | 0.0543\*\*\* | 0.0639\*\*\* |
|  | (0.00502) | (0.00434) | (0.00439) |
| GDP/cap (log) | 0.182\*\*\* | 0.103\*\*\* | 0.0720\*\*\* |
|  | (0.0238) | (0.0184) | (0.0186) |
| Population (log) | 0.435\*\*\* | 0.585\*\*\* | 0.506\*\*\* |
|  | (0.0248) | (0.0218) | (0.0220) |
| Military personnel | -0.353\*\*\* |  | -0.162\*\*\* |
|  | (0.0483) |  | (0.0454) |
| P5 | -0.542\*\*\* | -0.608\*\*\* | -0.402\*\*\* |
|  | (0.128) | (0.122) | (0.113) |
| Shared region | 0.139\*\* | 0.172\*\*\* | 0.208\*\*\* |
|  | (0.0566) | (0.0516) | (0.0503) |
| Colonial ties | 1.620\*\*\* | 1.606\*\*\* | 1.512\*\*\* |
|  | (0.323) | (0.314) | (0.286) |
| Armed conflict | -0.713\*\*\* | -0.758\*\*\* | -0.690\*\*\* |
|  | (0.0643) | (0.0598) | (0.0576) |
| Chapter VII | 0.113\* | 0.00183 | -0.0115 |
|  | (0.0670) | (0.0625) | (0.0608) |
| Mission fatalities t-1 | 0.0562\*\*\* | 0.0583\*\*\* |  |
|  | (0.00736) | (0.00639) |  |
| Mission fatalities (at t) |  |  | 0.0620\*\*\* |
|  |  |  | (0.00585) |
| Time | -0.0409 | -0.124\*\*\* | -0.0847\*\*\* |
|  | (0.0317) | (0.0244) | (0.0214) |
| Time squared | -0.00382 | 0.00368\*\* | 0.00183 |
|  | (0.00247) | (0.00168) | (0.00159) |
| Time cubed | 0.000143\*\*\* | -3.07e-05 | -1.78e-07 |
|  | (5.53e-05) | (3.34e-05) | (3.36e-05) |
| Constant | -9.032\*\*\* | -9.427\*\*\* | -7.489\*\*\* |
|  | (0.438) | (0.330) | (0.330) |
| lnalpha | 3.199\*\*\* | 3.273\*\*\* | 3.189\*\*\* |
|  | (0.0103) | (0.00955) | (0.00926) |
| Observations | 59,445 | 76,199 | 72,737 |

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