

# Conflict, Peace, and the Evolution of Women's Empowerment

Kaitlyn Webster Chong Chen Kyle Beardsley

Forthcoming in *International Organization*

## Supplementary Material

October 10, 2018

# Contents

Appendix	I
A Main Tables for Figures 3-7	I
B Supplementary Tables for Main Results and Figures	B-8
C Robustness Checks and Additional Mechanisms	C-17
D Specification of the Endogenous Treatment Effects Regression Model	D-26

## A. Main Tables for Figures 3-7

Tables A1- A9 present coefficient estimates for all models across Figures 3-7 in our main text.

**Table A1. Fixed-effects models of the effect of war on future changes in women's political empowerment**

	Model 1 (current)	Model 2 (1-year)	Model 3 (2-year)	Model 4 (3-year)	Model 5 (4-year)	Model 6 (5-year)	Model 7 (10-year)	Model 8 (15-year)
War	-0.00155 (0.00124)	0.000628 (0.00209)	0.00346 (0.00293)	0.00697* (0.00360)	0.00930** (0.00443)	0.0101* (0.00523)	0.0101 (0.00801)	0.00506 (0.00916)
Political empowerment, lag	-0.0519*** (0.00484)	-0.0949*** (0.00847)	-0.140*** (0.0118)	-0.189*** (0.0155)	-0.236*** (0.0189)	-0.286*** (0.0227)	-0.508*** (0.0381)	-0.675*** (0.0447)
ΔPolity scores	0.00318*** (0.000434)	0.00572*** (0.000759)	0.00595*** (0.000870)	0.00539*** (0.000869)	0.00509*** (0.000928)	0.00482*** (0.000895)	0.00357*** (0.000787)	0.00356*** (0.000835)
Polity scores, lag	0.000708*** (0.0000937)	0.000928*** (0.000164)	0.00103*** (0.000231)	0.00117*** (0.000299)	0.00128*** (0.000362)	0.00149*** (0.000434)	0.00193** (0.000783)	0.00129 (0.000956)
ΔEnergy.consump,log	0.000444 (0.000834)	-0.0000561 (0.000891)	-0.000180 (0.00109)	-0.000828 (0.00133)	-0.00130 (0.00158)	-0.00311 (0.00219)	-0.00467 (0.00309)	-0.00476 (0.00374)
Energy.consump, log, lag	0.000286 (0.000205)	0.000555 (0.000388)	0.000946 (0.000586)	0.00138* (0.000796)	0.00184* (0.000984)	0.00231** (0.00116)	0.00478** (0.00204)	0.00799*** (0.00284)
Year	0.000253*** (0.0000295)	0.000507*** (0.0000552)	0.000777*** (0.0000819)	0.00107*** (0.000110)	0.00134*** (0.000135)	0.00162*** (0.000160)	0.00290*** (0.000283)	0.00384*** (0.000380)
ΔNeighboring empowerment, lag	0.00606* (0.00361)	0.0189*** (0.00574)	0.0227*** (0.00853)	0.0238*** (0.00861)	0.0190** (0.00834)	0.0224** (0.00872)	0.0144 (0.0139)	0.0250* (0.0132)
Constant	-0.471*** (0.0552)	-0.949*** (0.104)	-1.456*** (0.154)	-1.997*** (0.207)	-2.510*** (0.253)	-3.044*** (0.301)	-5.437*** (0.534)	-7.197*** (0.716)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table A2. Fixed-effects models of the effect of war types on future changes in women's political empowerment**

	Model 9 (current)	Model 10 (1-year)	Model 11 (2-year)	Model 12 (3-year)	Model 13 (4-year)	Model 14 (5-year)	Model 15 (10-year)	Model 16 (15-year)
New war	-0.00186 (0.00166)	-0.000833 (0.00277)	0.000581 (0.00377)	-0.000171 (0.00460)	0.000784 (0.00467)	0.00338 (0.00490)	0.00492 (0.00752)	0.00203 (0.00887)
Ongoing war	-0.000645 (0.00149)	0.00229 (0.00244)	0.00588* (0.00340)	0.0109** (0.00443)	0.0138** (0.00557)	0.0139** (0.00662)	0.0128 (0.00979)	0.00639 (0.0110)
Recent war	0.00693*** (0.00228)	0.00912*** (0.00340)	0.0106** (0.00411)	0.00751* (0.00450)	0.00752 (0.00481)	0.00828 (0.00510)	0.00389 (0.00723)	0.000842 (0.00829)
Political empowerment, lag	-0.0514*** (0.00487)	-0.0940*** (0.00842)	-0.139*** (0.0118)	-0.188*** (0.0154)	-0.234*** (0.0188)	-0.284*** (0.0225)	-0.506*** (0.0381)	-0.674*** (0.0450)
ΔPolity scores	0.00319*** (0.000433)	0.00572*** (0.000755)	0.00596*** (0.000867)	0.00538*** (0.000865)	0.00508*** (0.000926)	0.00482*** (0.000893)	0.00356*** (0.000787)	0.00356*** (0.000833)
Polity scores, lag	0.000700*** (0.0000946)	0.000915*** (0.000164)	0.00102*** (0.000230)	0.00115*** (0.000298)	0.00126*** (0.000360)	0.00147*** (0.000432)	0.00191** (0.000784)	0.00128 (0.000958)
ΔEnergy.consump,log	0.000407 (0.000835)	-0.000127 (0.000888)	-0.000265 (0.00108)	-0.00100 (0.00132)	-0.00151 (0.00158)	-0.00331 (0.00220)	-0.00477 (0.00310)	-0.00480 (0.00376)
Energy.consump, log, lag	0.000278 (0.000204)	0.000548 (0.000390)	0.000924 (0.000588)	0.00135* (0.000796)	0.00181* (0.000984)	0.00227* (0.00116)	0.00475** (0.00204)	0.00798*** (0.00284)
Year	0.000253*** (0.0000294)	0.000505*** (0.0000551)	0.000774*** (0.0000818)	0.00106*** (0.000109)	0.00133*** (0.000134)	0.00162*** (0.000160)	0.00290*** (0.000283)	0.00384*** (0.000380)
ΔNeighboring empowerment, lag	0.00611* (0.00359)	0.0192*** (0.00575)	0.0228*** (0.00853)	0.0239*** (0.00864)	0.0192** (0.00837)	0.0225** (0.00872)	0.0146 (0.0139)	0.0250* (0.0132)
Constant	-0.470*** (0.0550)	-0.946*** (0.103)	-1.451*** (0.154)	-1.987*** (0.206)	-2.499*** (0.253)	-3.035*** (0.301)	-5.431*** (0.535)	-7.194*** (0.717)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table A3. Endogenous treatment-regression models of the effect of war on future changes in women's political empowerment

	Model 17	Model 18	Model 19	Model 20	Model 21	Model 22	Model 23	Model 24
	(current)	(1-year)	(2-year)	(3-year)	(4-year)	(5-year)	(10-year)	(15-year)
$\Delta$ Polity scores	0.00311*** (0.000434)	0.00556*** (0.000753)	0.00586*** (0.000883)	0.00535*** (0.000917)	0.00521*** (0.00103)	0.00501*** (0.00102)	0.00322*** (0.000854)	0.00345*** (0.000855)
Polity scores, lag	0.000135*** (0.0000465)	0.0000566 (0.0000744)	-0.0000718 (0.000108)	-0.000197 (0.000143)	-0.000333* (0.000179)	-0.000453** (0.000216)	-0.00124*** (0.000425)	-0.00209*** (0.000635)
$\Delta$ Energy.consump.log	0.000828 (0.000923)	0.000435 (0.00107)	0.000310 (0.00126)	-0.000400 (0.00138)	-0.00102 (0.00164)	-0.00250 (0.00217)	-0.00579** (0.00268)	-0.00518 (0.00319)
Energy.consump.log, lag	-0.000209** (0.000105)	-0.0000758 (0.000177)	0.0000934 (0.000261)	0.000229 (0.000327)	0.000344 (0.000384)	0.000472 (0.000447)	0.00232*** (0.000804)	0.00445*** (0.00124)
Year	0.0000579*** (0.0000113)	0.000108*** (0.0000195)	0.000163*** (0.0000284)	0.000223*** (0.0000366)	0.000287*** (0.0000443)	0.000359*** (0.0000546)	0.000606*** (0.0000912)	0.000830*** (0.000144)
War	0.0272*** (0.00384)	0.0346*** (0.0108)	0.0417** (0.0190)	0.0526** (0.0223)	0.0651*** (0.0217)	0.0735*** (0.0248)	0.0282 (0.0172)	0.0144 (0.0136)
Constant	-0.111*** (0.0220)	-0.206*** (0.0382)	-0.312*** (0.0559)	-0.428*** (0.0718)	-0.549*** (0.0868)	-0.688*** (0.107)	-1.154*** (0.178)	-1.576*** (0.281)
Treatment = War								
Neigh.civil.war, count, lag	0.114*** (0.0432)	0.0869* (0.0521)	0.0635 (0.0542)	0.0760 (0.0561)	0.0653 (0.0536)	0.0727 (0.0534)	0.00943 (0.0639)	0.0553 (0.0664)
Neigh.civil.war, count, 2 lags	0.0580 (0.0445)	0.0869 (0.0531)	0.104* (0.0553)	0.0968* (0.0571)	0.0925* (0.0563)	0.0745 (0.0585)	0.136* (0.0738)	0.109 (0.0736)
Neigh.interstate.wars, count, lag	0.309*** (0.0657)	0.319*** (0.0965)	0.369*** (0.0939)	0.373*** (0.0920)	0.371*** (0.0890)	0.391*** (0.0885)	0.408*** (0.0725)	0.435*** (0.0804)
Neigh.interstate.wars, count, 2 lags	0.0268 (0.0499)	0.0655 (0.0588)	0.0564 (0.0490)	0.0604 (0.0496)	0.0612 (0.0505)	0.0345 (0.0446)	0.0149 (0.0557)	-0.0631 (0.0619)
$\Delta$ Polity scores	-0.0387** (0.0169)	-0.0446** (0.0227)	-0.0403 (0.0255)	-0.0431** (0.0207)	-0.0509*** (0.0195)	-0.0461** (0.0186)	-0.0364*** (0.0140)	-0.0236* (0.0139)
Polity scores, lag	-0.00943 (0.00613)	-0.00918 (0.00659)	-0.00904 (0.00693)	-0.00864 (0.00719)	-0.00793 (0.00730)	-0.00754 (0.00749)	-0.00991 (0.00766)	-0.00917 (0.00769)
$\Delta$ Energy.consump.log	-0.0464 (0.0654)	-0.0636 (0.0663)	-0.0779 (0.0725)	-0.0833 (0.0918)	-0.0867 (0.0915)	-0.115 (0.110)	-0.120 (0.107)	-0.129 (0.106)
Energy.consump.log, lag	0.0526*** (0.0139)	0.0524*** (0.0152)	0.0538*** (0.0164)	0.0527*** (0.0168)	0.0515*** (0.0171)	0.0527*** (0.0174)	0.0753*** (0.0163)	0.0657*** (0.0150)
Year	-0.00376*** (0.00139)	-0.00327** (0.00157)	-0.00305* (0.00163)	-0.00290* (0.00162)	-0.00257 (0.00164)	-0.00291* (0.00168)	-0.00243 (0.00198)	-0.00207 (0.00210)
Constant	5.702** (2.709)	4.677 (3.061)	4.212 (3.199)	3.914 (3.170)	3.300 (3.199)	3.969 (3.268)	2.800 (3.844)	2.175 (4.065)
ath $\rho$	-0.758*** (0.126)	-0.572** (0.223)	-0.505* (0.302)	-0.512* (0.303)	-0.559*** (0.267)	-0.567** (0.280)	-0.0713 (0.104)	-0.00461 (0.0524)
lnsigma	-3.750*** (0.0575)	-3.393*** (0.0681)	-3.174*** (0.0759)	-3.013*** (0.0786)	-2.885*** (0.0822)	-2.785*** (0.0816)	-2.506*** (0.0620)	-2.329*** (0.0633)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table A4. Fixed-effects models of the effect of war duration on future changes in women's political empowerment

	Model 25 (current)	Model 26 (1-year)	Model 27 (2-year)	Model 28 (3-year)	Model 29 (4-year)	Model 30 (5-year)	Model 31 (10-year)	Model 32 (15-year)
War duration	0.000258* (0.000152)	0.000782*** (0.000235)	0.00127*** (0.000347)	0.00173*** (0.000508)	0.00198*** (0.000649)	0.00205*** (0.000751)	0.00172 (0.00116)	0.00139 (0.00121)
Political empowerment, lag	-0.0509*** (0.00481)	-0.0940*** (0.00841)	-0.139*** (0.0118)	-0.189*** (0.0155)	-0.236*** (0.0189)	-0.286*** (0.0226)	-0.506*** (0.0381)	-0.673*** (0.0440)
ΔPolity scores	0.00319*** (0.000435)	0.00574*** (0.000760)	0.00598*** (0.000871)	0.00540*** (0.000870)	0.00509*** (0.000929)	0.00484*** (0.000897)	0.00355*** (0.000793)	0.00354*** (0.000838)
Polity scores, lag	0.000700*** (0.0000939)	0.000924*** (0.000163)	0.00104*** (0.000228)	0.00119*** (0.000295)	0.00130*** (0.000356)	0.00151*** (0.000428)	0.00190** (0.000781)	0.00125 (0.000948)
ΔEnergy.consump,log	0.000443 (0.000849)	-0.000129 (0.000922)	-0.000315 (0.00110)	-0.00110 (0.00134)	-0.00168 (0.00158)	-0.00352 (0.00218)	-0.00494 (0.00310)	-0.00489 (0.00378)
Energy.consump,log, lag	0.000255 (0.000207)	0.000511 (0.000386)	0.000887 (0.000581)	0.00131* (0.000787)	0.00177* (0.000973)	0.00223* (0.00115)	0.00477** (0.00204)	0.00796*** (0.00285)
Year	0.000251*** (0.0000293)	0.000504*** (0.0000550)	0.000772*** (0.0000819)	0.00106*** (0.000110)	0.00133*** (0.000135)	0.00162*** (0.000160)	0.00289*** (0.000284)	0.00382*** (0.000378)
ΔNeighboring empowerment, lag	0.00573 (0.00360)	0.0185*** (0.00574)	0.0227*** (0.00861)	0.0237*** (0.00870)	0.0195** (0.00845)	0.0230*** (0.00877)	0.0154 (0.0140)	0.0256* (0.0132)
Constant	-0.467*** (0.0550)	-0.942*** (0.103)	-1.446*** (0.154)	-1.985*** (0.207)	-2.498*** (0.254)	-3.030*** (0.302)	-5.411*** (0.535)	-7.168*** (0.714)
Observations	8062	7861	7680	7498	7333	7180	6509	5980

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table A5. Fixed-effects models of the effect of battle deaths on future changes in women's political empowerment**

	Model 33 (current)	Model 34 (1-year)	Model 35 (2-year)	Model 36 (3-year)	Model 37 (4-year)	Model 38 (5-year)	Model 39 (10-year)	Model 40 (15-year)
Battle deaths, log	-0.000532* (0.000275)	-0.000508 (0.000444)	-0.000514 (0.000583)	-0.000356 (0.000747)	-0.000202 (0.000935)	-0.000159 (0.00113)	0.000192 (0.00125)	0.00156 (0.00145)
Political empowerment, lag	-0.0739*** (0.00693)	-0.134*** (0.0112)	-0.192*** (0.0157)	-0.249*** (0.0198)	-0.301*** (0.0233)	-0.360*** (0.0272)	-0.617*** (0.0414)	-0.810*** (0.0450)
ΔPolity scores	0.00370*** (0.000595)	0.00641*** (0.000937)	0.00649*** (0.00104)	0.00590*** (0.000984)	0.00541*** (0.000968)	0.00483*** (0.000922)	0.00373*** (0.000774)	0.00355*** (0.000685)
Polity scores, lag	0.00109*** (0.000135)	0.00151*** (0.000222)	0.00173*** (0.000296)	0.00191*** (0.000362)	0.00204*** (0.000419)	0.00228*** (0.000486)	0.00331*** (0.000830)	0.00293*** (0.000949)
ΔEnergy.consump,log	0.000109 (0.000746)	-0.000193 (0.000895)	-0.000539 (0.00122)	-0.000828 (0.00147)	-0.000851 (0.00171)	-0.00116 (0.00244)	-0.00171 (0.00295)	-0.00269 (0.00368)
Energy.consump,log, lag	0.000280 (0.000295)	0.000415 (0.000536)	0.000749 (0.000806)	0.00131 (0.00108)	0.00206 (0.00132)	0.00293* (0.00157)	0.00530** (0.00266)	0.00737** (0.00356)
Year	0.000358*** (0.0000502)	0.000735*** (0.0000905)	0.00111*** (0.000137)	0.00146*** (0.000181)	0.00177*** (0.000224)	0.00211*** (0.000272)	0.00377*** (0.000478)	0.00515*** (0.000689)
ΔNeighboring empowerment, lag	0.00892** (0.00424)	0.0204*** (0.00658)	0.0249*** (0.00951)	0.0264*** (0.00994)	0.0212** (0.01000)	0.0290*** (0.0107)	0.0239* (0.0137)	0.0363** (0.0141)
Constant	-0.666*** (0.0954)	-1.378*** (0.172)	-2.083*** (0.262)	-2.744*** (0.347)	-3.333*** (0.428)	-3.967*** (0.521)	-7.115*** (0.918)	-9.730*** (1.326)
Observations	5938	5853	5798	5752	5728	5651	5101	4569

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table A6. Fixed-effects models of the effect of war on future changes in fertility rates**

	Model 41 (current)	Model 42 (1-year)	Model 43 (2-year)	Model 44 (3-year)	Model 45 (4-year)	Model 46 (5-year)	Model 47 (10-year)	Model 48 (15-year)
War	-0.00172 (0.00533)	-0.00335 (0.0104)	-0.00600 (0.0156)	-0.00919 (0.0208)	-0.0110 (0.0253)	-0.0146 (0.0305)	-0.0347 (0.0545)	-0.0719 (0.0734)
Fertility rate, lag	-0.0124*** (0.00243)	-0.0328*** (0.00490)	-0.0593*** (0.00744)	-0.0910*** (0.0100)	-0.128*** (0.0127)	-0.168*** (0.0154)	-0.410*** (0.0278)	-0.671*** (0.0354)
ΔPolity scores	-0.00164*** (0.000519)	-0.00346*** (0.000936)	-0.00477*** (0.00132)	-0.00624*** (0.00168)	-0.00749*** (0.00208)	-0.00913*** (0.00231)	-0.0115*** (0.00329)	-0.0108*** (0.00364)
Polity scores, lag	-0.00103** (0.000479)	-0.00212** (0.000943)	-0.00330** (0.00140)	-0.00442** (0.00184)	-0.00551** (0.00226)	-0.00643** (0.00266)	-0.00824* (0.00444)	-0.00733 (0.00568)
ΔEnergy.consump,log	-0.00132 (0.00143)	-0.00223 (0.00277)	-0.00518 (0.00417)	-0.0137* (0.00758)	-0.0164* (0.00949)	-0.0196* (0.0113)	-0.0233 (0.0181)	-0.0297 (0.0196)
Energy.consump,log, lag	-0.0160*** (0.00217)	-0.0317*** (0.00451)	-0.0496*** (0.00744)	-0.0652*** (0.0102)	-0.0789*** (0.0128)	-0.0914*** (0.0154)	-0.135*** (0.0254)	-0.151*** (0.0280)
Year	0.000538** (0.000247)	0.000702 (0.000509)	0.000584 (0.000798)	0.000115 (0.00111)	-0.000622 (0.00144)	-0.00165 (0.00179)	-0.0100*** (0.00357)	-0.0219*** (0.00491)
ΔNeighboring fertility rates, lag	0.0357*** (0.0117)	0.0689*** (0.0225)	0.0939*** (0.0309)	0.118*** (0.0391)	0.144*** (0.0484)	0.166*** (0.0558)	0.209*** (0.0752)	0.189** (0.0733)
Constant	-0.923* (0.482)	-1.073 (0.993)	-0.618 (1.554)	0.539 (2.164)	2.232 (2.806)	4.501 (3.489)	22.35*** (7.000)	46.93*** (9.701)
Observations	6677	6651	6550	6446	6316	6185	5530	4885

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table A7. Fixed-effects models of the effect of existential war on future changes in fertility rates

	Model 49 (current)	Model 50 (1-year)	Model 51 (2-year)	Model 52 (3-year)	Model 53 (4-year)	Model 54 (5-year)	Model 55 (10-year)	Model 56 (15-year)
Existential war	-0.0233** (0.00962)	-0.0470** (0.0193)	-0.0687** (0.0290)	-0.0885** (0.0394)	-0.104** (0.0491)	-0.120* (0.0610)	-0.168 (0.127)	-0.159 (0.160)
Fertility rate, lag	-0.0120*** (0.00242)	-0.0319*** (0.00490)	-0.0581*** (0.00743)	-0.0895*** (0.0100)	-0.126*** (0.0127)	-0.166*** (0.0155)	-0.407*** (0.0280)	-0.669*** (0.0355)
ΔPolity scores	-0.00164*** (0.000509)	-0.00347*** (0.000919)	-0.00479*** (0.00130)	-0.00628*** (0.00165)	-0.00754*** (0.00204)	-0.00919*** (0.00227)	-0.0116*** (0.00327)	-0.0109*** (0.00367)
Polity scores, lag	-0.00101** (0.000480)	-0.00209** (0.000946)	-0.00326** (0.00140)	-0.00437** (0.00185)	-0.00545** (0.00226)	-0.00638** (0.00266)	-0.00827* (0.00444)	-0.00756 (0.00570)
ΔEnergy.consump,log	-0.00121 (0.00145)	-0.00201 (0.00281)	-0.00484 (0.00423)	-0.0134* (0.00768)	-0.0160* (0.00960)	-0.0191* (0.0115)	-0.0223 (0.0183)	-0.0282 (0.0197)
Energy.consump,log, lag	-0.0160*** (0.00216)	-0.0317*** (0.00449)	-0.0495*** (0.00741)	-0.0651*** (0.0102)	-0.0788*** (0.0128)	-0.0913*** (0.0153)	-0.135*** (0.0252)	-0.150*** (0.0279)
Year	0.000533** (0.000246)	0.000694 (0.000507)	0.000571 (0.000795)	0.000101 (0.00111)	-0.000639 (0.00143)	-0.00167 (0.00178)	-0.0101*** (0.00356)	-0.0220*** (0.00493)
ΔNeighboring fertility rates, lag	0.0355*** (0.0117)	0.0685*** (0.0224)	0.0932*** (0.0307)	0.118*** (0.0388)	0.143*** (0.0480)	0.164*** (0.0555)	0.207*** (0.0747)	0.188** (0.0731)
Constant	-0.916* (0.480)	-1.060 (0.989)	-0.596 (1.547)	0.561 (2.155)	2.258 (2.795)	4.533 (3.477)	22.41*** (6.987)	47.14*** (9.726)
Observations	6677	6651	6550	6446	6316	6185	5530	4885

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table A8. Fixed-effects models of the effect of war on intermediate variables

	Model 57 (Δ mil. per)	Model 58 (Δ population)	Model 59 (Δ male population)	Model 60 (Δ female population)	Model 61 (irregular leader change)
War	0.0618*** (0.0122)	-0.0261 (0.0204)	-0.00788 (0.00928)	-0.00645 (0.00860)	0.0723*** (0.0108)
Mil.per.pc,log, lag	-0.172*** (0.0241)				
ΔPolity scores	-0.00132 (0.00173)	0.00106 (0.00188)	0.000398 (0.000703)	0.000452 (0.000640)	-0.00767** (0.00333)
Polity scores, lag	-0.00210*** (0.000578)	0.000623 (0.00166)	-0.000228 (0.000769)	0.00000559 (0.000711)	-0.000923 (0.000782)
ΔEnergy.consump,log	0.00702** (0.00347)	0.0378*** (0.0138)	0.00770*** (0.00260)	0.00745*** (0.00232)	-0.0103*** (0.00350)
Energy.consump,log, lag	0.00482*** (0.00149)	0.0201*** (0.00427)	0.00934*** (0.00228)	0.0106*** (0.00250)	-0.00228 (0.00237)
Year	-0.000373*** (0.000110)	-0.000135 (0.000364)	-0.000790 (0.000576)	-0.000830 (0.000520)	-0.000336** (0.000167)
Population,log, lag		-0.0103*** (0.00285)	-0.00658** (0.00330)	-0.00748** (0.00324)	
Constant	0.770*** (0.211)	1.199** (0.563)	2.273** (0.893)	2.419*** (0.793)	0.717** (0.317)
Observations	10557	10871	7314	7314	10845

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$



**Table A9. Fixed-effects models of the effect of intermediate variables on future changes in women's empowerment**

	Model 62 (current)	Model 63 (1-year)	Model 64 (2-year)	Model 65 (3-year)	Model 66 (4-year)	Model 67 (5-year)	Model 68 (10-year)	Model 69 (15-year)
War	-0.00199 (0.00133)	-0.000557 (0.00209)	0.00161 (0.00292)	0.00354 (0.00352)	0.00432 (0.00415)	0.00474 (0.00482)	0.00343 (0.00758)	0.00243 (0.00876)
Political empowerment, lag	-0.0527*** (0.00509)	-0.0957*** (0.00879)	-0.140*** (0.0121)	-0.189*** (0.0157)	-0.234*** (0.0192)	-0.282*** (0.0228)	-0.502*** (0.0393)	-0.672*** (0.0464)
ΔMil.per.pc,log	-0.00298 (0.00264)	-0.00117 (0.00348)	-0.0000996 (0.00395)	0.00147 (0.00438)	0.00614 (0.00479)	0.00834 (0.00601)	0.0110 (0.00802)	0.00375 (0.0103)
Mil.per.pc,log, lag	0.00515*** (0.00166)	0.00815*** (0.00293)	0.0112** (0.00441)	0.0136** (0.00588)	0.0149** (0.00722)	0.0153* (0.00837)	0.0103 (0.0128)	-0.0107 (0.0137)
ΔPopulation,log	-0.00125 (0.00102)	-0.000608 (0.00171)	0.000203 (0.00189)	-0.00255 (0.00244)	-0.00307 (0.00257)	-0.00513* (0.00270)	-0.0111*** (0.00346)	-0.0103*** (0.00319)
Population,log, lag	0.0000380 (0.000174)	0.000259 (0.000328)	0.000465 (0.000494)	0.000654 (0.000669)	0.000879 (0.000837)	0.00108 (0.00101)	0.00228 (0.00178)	0.00372 (0.00239)
Irregular.leader.change	0.000147 (0.00284)	0.00968** (0.00446)	0.00932* (0.00488)	0.0118** (0.00484)	0.0123** (0.00510)	0.0107** (0.00534)	0.00738 (0.00608)	0.000962 (0.00563)
ΔPolity scores	0.00323*** (0.000459)	0.00570*** (0.000780)	0.00594*** (0.000890)	0.00552*** (0.000881)	0.00524*** (0.000957)	0.00500*** (0.000929)	0.00368*** (0.000807)	0.00334*** (0.000841)
Polity scores, lag	0.000776*** (0.000101)	0.00103*** (0.000174)	0.00119*** (0.000242)	0.00136*** (0.000314)	0.00148*** (0.000381)	0.00166*** (0.000455)	0.00195** (0.000798)	0.000904 (0.000968)
ΔEnergy.consump,log	0.000265 (0.000862)	-0.000188 (0.000935)	-0.000554 (0.00113)	-0.00113 (0.00137)	-0.00162 (0.00163)	-0.00345 (0.00225)	-0.00475 (0.00314)	-0.00563 (0.00388)
Energy.consump,log, lag	0.000117 (0.000270)	0.000184 (0.000510)	0.000312 (0.000761)	0.000568 (0.00102)	0.000893 (0.00126)	0.00119 (0.00149)	0.00248 (0.00254)	0.00479 (0.00323)
Year	0.000258*** (0.0000352)	0.000495*** (0.0000655)	0.000746*** (0.0000963)	0.00101*** (0.000129)	0.00126*** (0.000160)	0.00151*** (0.000192)	0.00267*** (0.000355)	0.00350*** (0.000496)
ΔNeighboring empowerment, lag	0.00576 (0.00363)	0.0194*** (0.00584)	0.0240*** (0.00863)	0.0260*** (0.00857)	0.0199** (0.00816)	0.0258*** (0.00888)	0.0207 (0.0150)	0.0289* (0.0159)
Constant	-0.483*** (0.0610)	-0.947*** (0.113)	-1.436*** (0.165)	-1.953*** (0.220)	-2.432*** (0.271)	-2.918*** (0.324)	-5.176*** (0.595)	-6.833*** (0.831)
Observations	7860	7662	7486	7309	7146	6996	6351	5857

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

## B. Supplementary Tables for Main Results and Figures

Tables B1- B14 present additional model specifications to our core models as discussed in the main text.

Table B1. Fixed-effects models of the effect of war on future year-on-year changes in women's empowerment

	Model 70 (current)	Model 71 (1-year)	Model 72 (2-year)	Model 73 (3-year)	Model 74 (4-year)	Model 75 (5-year)	Model 76 (10-year)	Model 77 (15-year)
War	-0.00155 (0.00124)	0.00137 (0.00122)	0.00280** (0.00119)	0.00233* (0.00119)	0.00183 (0.00120)	0.00130 (0.00115)	-0.000986 (0.000955)	0.000335 (0.00119)
Political empowerment, lag	-0.0519*** (0.00484)	-0.0425*** (0.00458)	-0.0387*** (0.00436)	-0.0385*** (0.00411)	-0.0392*** (0.00415)	-0.0415*** (0.00425)	-0.0353*** (0.00371)	-0.0258*** (0.00423)
$\Delta$ Polity scores	0.00318*** (0.000434)	0.00262*** (0.000476)	0.000363 (0.000263)	-0.000130 (0.000166)	-0.000323* (0.000169)	-0.000213 (0.000174)	-0.0000771 (0.000188)	-0.000170 (0.000117)
Polity scores, lag	0.000708*** (0.0000937)	0.000244*** (0.0000854)	-0.00000690 (0.0000844)	-0.0000459 (0.0000832)	-0.0000530 (0.0000840)	0.0000270 (0.0000925)	0.0000137 (0.0000825)	-0.000169* (0.000101)
$\Delta$ Energy.consump,log	0.000444 (0.000834)	-0.000490 (0.000449)	-0.0000678 (0.000689)	-0.000891* (0.000455)	-0.000889 (0.000566)	-0.00133 (0.000994)	0.000543 (0.000858)	-0.000652 (0.000644)
Energy.consump,log, lag	0.000286 (0.000205)	0.000174 (0.000209)	0.000390* (0.000225)	0.000475** (0.000223)	0.000503** (0.000214)	0.000469** (0.000207)	0.000826*** (0.000216)	0.000823*** (0.000276)
Year	0.000253*** (0.0000295)	0.000252*** (0.0000295)	0.000242*** (0.0000298)	0.000237*** (0.0000285)	0.000238*** (0.0000284)	0.000241*** (0.0000279)	0.000165*** (0.0000282)	0.000112*** (0.0000301)
$\Delta$ Neighboring empowerment, lag	0.00606* (0.00361)	0.0106** (0.00436)	0.00781 (0.00498)	0.00320 (0.00526)	0.00114 (0.00424)	0.00505 (0.00512)	-0.00151 (0.00549)	-0.00120 (0.00505)
Constant	-0.471*** (0.0552)	-0.473*** (0.0554)	-0.457*** (0.0561)	-0.448*** (0.0536)	-0.447*** (0.0535)	-0.454*** (0.0526)	-0.309*** (0.0529)	-0.208*** (0.0562)
Observations	8090	7844	7628	7430	7252	7093	6406	5875

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table B2. Fixed-effects models of the effect of cumulative battle deaths on future changes in women's empowerment**

	Model 78 (current)	Model 79 (1-year)	Model 80 (2-year)	Model 81 (3-year)	Model 82 (4-year)	Model 83 (5-year)	Model 84 (10-year)	Model 85 (15-year)
Cumulative battle deaths, log	-0.000433** (0.000202)	-0.000517 (0.000323)	-0.000534 (0.000460)	-0.000496 (0.000622)	-0.000366 (0.000799)	-0.000567 (0.000976)	0.000113 (0.00109)	0.00173 (0.00121)
Political empowerment, lag	-0.0727*** (0.00687)	-0.131*** (0.0110)	-0.189*** (0.0155)	-0.246*** (0.0197)	-0.298*** (0.0234)	-0.356*** (0.0274)	-0.613*** (0.0419)	-0.806*** (0.0450)
ΔPolity scores	0.00372*** (0.000596)	0.00649*** (0.000949)	0.00656*** (0.00105)	0.00596*** (0.000996)	0.00548*** (0.000983)	0.00490*** (0.000935)	0.00375*** (0.000777)	0.00357*** (0.000685)
Polity scores, lag	0.00106*** (0.000133)	0.00145*** (0.000216)	0.00167*** (0.000292)	0.00184*** (0.000359)	0.00195*** (0.000419)	0.00217*** (0.000488)	0.00324*** (0.000841)	0.00289*** (0.000948)
ΔEnergy.consump,log	0.000259 (0.000733)	-0.000275 (0.000900)	-0.000662 (0.00124)	-0.000913 (0.00148)	-0.000833 (0.00174)	-0.00129 (0.00247)	-0.00172 (0.00295)	-0.00268 (0.00371)
Energy.consump,log, lag	0.000280 (0.000292)	0.000467 (0.000531)	0.000805 (0.000805)	0.00138 (0.00108)	0.00215 (0.00132)	0.00306* (0.00157)	0.00539** (0.00268)	0.00735** (0.00355)
Year	0.000363*** (0.0000517)	0.000736*** (0.0000934)	0.00111*** (0.000142)	0.00146*** (0.000187)	0.00177*** (0.000232)	0.00211*** (0.000282)	0.00376*** (0.000486)	0.00511*** (0.000692)
ΔNeighboring empowerment, lag	0.00913** (0.00421)	0.0210*** (0.00658)	0.0256*** (0.00950)	0.0267*** (0.00996)	0.0218** (0.00999)	0.0294*** (0.0107)	0.0239* (0.0137)	0.0365** (0.0141)
Constant	-0.676*** (0.0984)	-1.380*** (0.178)	-2.084*** (0.270)	-2.746*** (0.357)	-3.340*** (0.443)	-3.976*** (0.539)	-7.090*** (0.933)	-9.651*** (1.332)
Observations	5928	5842	5787	5741	5717	5640	5090	4559

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table B3. Fixed-effects models of the effect of intrastate war on future changes in women's empowerment**

	Model 86 (current)	Model 87 (1-year)	Model 88 (2-year)	Model 89 (3-year)	Model 90 (4-year)	Model 91 (5-year)	Model 92 (10-year)	Model 93 (15-year)
New Intrastate war	-0.00164 (0.00285)	-0.000175 (0.00520)	0.00146 (0.00704)	0.00227 (0.00816)	0.00287 (0.00809)	0.00221 (0.00827)	-0.00210 (0.0116)	0.00565 (0.0147)
Ongoing intrastate war	-0.00136 (0.00212)	0.00164 (0.00352)	0.00347 (0.00476)	0.00698 (0.00590)	0.00927 (0.00732)	0.00924 (0.00867)	0.0106 (0.0132)	0.0125 (0.0156)
Recent Intrastate war	0.00864** (0.00429)	0.0103* (0.00609)	0.0115* (0.00669)	0.00987 (0.00716)	0.0103 (0.00799)	0.0103 (0.00834)	0.00593 (0.0109)	0.00722 (0.0130)
Political empowerment, lag	-0.0513*** (0.00488)	-0.0943*** (0.00843)	-0.140*** (0.0118)	-0.190*** (0.0155)	-0.237*** (0.0190)	-0.288*** (0.0227)	-0.510*** (0.0374)	-0.674*** (0.0440)
ΔPolity scores	0.00317*** (0.000434)	0.00570*** (0.000758)	0.00594*** (0.000871)	0.00538*** (0.000873)	0.00507*** (0.000936)	0.00480*** (0.000902)	0.00354*** (0.000797)	0.00354*** (0.000842)
Polity scores, lag	0.000697*** (0.0000946)	0.000915*** (0.000163)	0.00103*** (0.000230)	0.00117*** (0.000297)	0.00129*** (0.000359)	0.00150*** (0.000431)	0.00194** (0.000770)	0.00126 (0.000943)
ΔEnergy.consump,log	0.000459 (0.000841)	-0.0000643 (0.000891)	-0.000217 (0.00108)	-0.000963 (0.00133)	-0.00149 (0.00159)	-0.00344 (0.00220)	-0.00499 (0.00314)	-0.00482 (0.00378)
Energy.consump,log, lag	0.000275 (0.000204)	0.000540 (0.000389)	0.000928 (0.000584)	0.00137* (0.000790)	0.00183* (0.000974)	0.00228** (0.00115)	0.00477** (0.00203)	0.00790*** (0.00281)
Year	0.000253*** (0.0000296)	0.000505*** (0.0000553)	0.000776*** (0.0000823)	0.00106*** (0.000111)	0.00134*** (0.000136)	0.00163*** (0.000161)	0.00290*** (0.000283)	0.00383*** (0.000379)
ΔNeighboring empowerment, lag	0.00606* (0.00359)	0.0190*** (0.00573)	0.0226*** (0.00841)	0.0238*** (0.00851)	0.0189** (0.00827)	0.0223** (0.00870)	0.0143 (0.0139)	0.0248* (0.0132)
Constant	-0.471*** (0.0554)	-0.945*** (0.104)	-1.454*** (0.155)	-1.994*** (0.208)	-2.509*** (0.256)	-3.048*** (0.304)	-5.440*** (0.533)	-7.185*** (0.716)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table B4. Fixed-effects models of the effect of interstate war on future changes in women's empowerment**

	Model 94 (current)	Model 95 (1-year)	Model 96 (2-year)	Model 97 (3-year)	Model 98 (4-year)	Model 99 (5-year)	Model 100 (10-year)	Model 101 (15-year)
New interstate war	-0.00179 (0.00257)	-0.00185 (0.00279)	-0.00164 (0.00329)	-0.00389 (0.00434)	-0.00267 (0.00467)	0.000339 (0.00504)	0.00324 (0.00713)	-0.000947 (0.00770)
Ongoing interstate war	0.000672 (0.00154)	0.00225 (0.00271)	0.00679 (0.00417)	0.0122** (0.00603)	0.0142* (0.00783)	0.0136 (0.00926)	0.00995 (0.0142)	-0.00216 (0.0133)
Recent interstate war	0.00460*** (0.00166)	0.00602** (0.00234)	0.00641* (0.00371)	0.00289 (0.00409)	0.00267 (0.00404)	0.00329 (0.00462)	-0.00158 (0.00697)	-0.00343 (0.00719)
Political empowerment, lag	-0.0511*** (0.00483)	-0.0949*** (0.00852)	-0.140*** (0.0120)	-0.190*** (0.0157)	-0.238*** (0.0193)	-0.288*** (0.0231)	-0.511*** (0.0391)	-0.679*** (0.0446)
ΔPolity scores	0.00319*** (0.000433)	0.00572*** (0.000757)	0.00596*** (0.000868)	0.00537*** (0.000866)	0.00505*** (0.000918)	0.00479*** (0.000887)	0.00355*** (0.000789)	0.00355*** (0.000833)
Polity scores, lag	0.000701*** (0.0000936)	0.000930*** (0.000164)	0.00104*** (0.000232)	0.00118*** (0.000302)	0.00130*** (0.000367)	0.00153*** (0.000441)	0.00198** (0.000793)	0.00133 (0.000951)
ΔEnergy.consump,log	0.000420 (0.000827)	-0.000124 (0.000893)	-0.000307 (0.00110)	-0.00101 (0.00135)	-0.00154 (0.00158)	-0.00331 (0.00218)	-0.00479 (0.00310)	-0.00494 (0.00378)
Energy.consump,log, lag	0.000272 (0.000204)	0.000562 (0.000388)	0.000961 (0.000587)	0.00141* (0.000798)	0.00189* (0.000987)	0.00236** (0.00117)	0.00486** (0.00206)	0.00804*** (0.00288)
Year	0.000252*** (0.0000294)	0.000508*** (0.0000554)	0.000781*** (0.0000822)	0.00107*** (0.000110)	0.00135*** (0.000136)	0.00164*** (0.000161)	0.00291*** (0.000284)	0.00385*** (0.000377)
ΔNeighboring empowerment, lag	0.00602* (0.00361)	0.0189*** (0.00574)	0.0228*** (0.00860)	0.0239*** (0.00868)	0.0194** (0.00842)	0.0228*** (0.00872)	0.0147 (0.0140)	0.0251* (0.0133)
Constant	-0.469*** (0.0551)	-0.951*** (0.104)	-1.463*** (0.154)	-2.011*** (0.208)	-2.530*** (0.255)	-3.068*** (0.303)	-5.459*** (0.535)	-7.213*** (0.712)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table B5. Fixed-effects models of the effect of existential war on future changes in women's empowerment**

	Model 102 (current)	Model 103 (1-year)	Model 104 (2-year)	Model 105 (3-year)	Model 106 (4-year)	Model 107 (5-year)	Model 108 (10-year)	Model 109 (15-year)
New existential war	-0.000103 (0.00291)	-0.00470 (0.00406)	-0.00424 (0.00448)	-0.00317 (0.00485)	-0.00441 (0.00523)	-0.00230 (0.00565)	0.00552 (0.00786)	-0.00343 (0.00840)
Ongoing existential war	-0.000254 (0.00151)	0.000204 (0.00254)	0.00402 (0.00368)	0.00769 (0.00527)	0.00970 (0.00702)	0.0110 (0.00845)	0.00741 (0.0124)	-0.00378 (0.0112)
Recent existential war	0.00619** (0.00268)	0.00838** (0.00325)	0.00867** (0.00432)	0.00604 (0.00487)	0.00744 (0.00473)	0.00862 (0.00552)	0.00246 (0.00781)	-0.00286 (0.00729)
Political empowerment, lag	-0.0512*** (0.00480)	-0.0952*** (0.00849)	-0.141*** (0.0120)	-0.191*** (0.0157)	-0.239*** (0.0193)	-0.289*** (0.0231)	-0.511*** (0.0390)	-0.679*** (0.0445)
ΔPolity scores	0.00319*** (0.000433)	0.00573*** (0.000758)	0.00597*** (0.000869)	0.00539*** (0.000869)	0.00508*** (0.000921)	0.00481*** (0.000888)	0.00355*** (0.000789)	0.00355*** (0.000833)
Polity scores, lag	0.000700*** (0.0000933)	0.000932*** (0.000163)	0.00104*** (0.000231)	0.00119*** (0.000302)	0.00131*** (0.000367)	0.00152*** (0.000441)	0.00198** (0.000794)	0.00134 (0.000952)
ΔEnergy.consump,log	0.000409 (0.000825)	-0.000195 (0.000892)	-0.000383 (0.00110)	-0.00108 (0.00134)	-0.00167 (0.00158)	-0.00347 (0.00217)	-0.00480 (0.00311)	-0.00499 (0.00378)
Energy.consump,log, lag	0.000270 (0.000205)	0.000564 (0.000389)	0.000964 (0.000588)	0.00143* (0.000799)	0.00191* (0.000988)	0.00237** (0.00116)	0.00486** (0.00206)	0.00804*** (0.00288)
Year	0.000253*** (0.0000296)	0.000508*** (0.0000556)	0.000782*** (0.0000824)	0.00107*** (0.000111)	0.00135*** (0.000136)	0.00164*** (0.000161)	0.00291*** (0.000283)	0.00385*** (0.000377)
ΔNeighboring empowerment, lag	0.00605* (0.00361)	0.0189*** (0.00575)	0.0228*** (0.00860)	0.0242*** (0.00871)	0.0195** (0.00844)	0.0230*** (0.00874)	0.0148 (0.0140)	0.0251* (0.0133)
Constant	-0.470*** (0.0555)	-0.951*** (0.104)	-1.465*** (0.155)	-2.014*** (0.208)	-2.534*** (0.256)	-3.073*** (0.304)	-5.464*** (0.534)	-7.213*** (0.711)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table B6. Fixed-effects models of the effect of types of war on future changes in civil society participation**

	Model 110 (current)	Model 111 (1-year)	Model 112 (2-year)	Model 113 (3-year)	Model 114 (4-year)	Model 115 (5-year)	Model 116 (10-year)	Model 117 (15-year)
New war	0.00228 (0.00237)	0.00147 (0.00322)	0.00289 (0.00456)	-0.00186 (0.00482)	-0.00370 (0.00550)	-0.00115 (0.00588)	0.00382 (0.00826)	0.000888 (0.00888)
Ongoing war	-0.00129 (0.00165)	0.000590 (0.00300)	0.00336 (0.00422)	0.00749 (0.00557)	0.0116* (0.00694)	0.0138* (0.00817)	0.0190* (0.0108)	0.00610 (0.0110)
Recent war	0.00952*** (0.00342)	0.0108** (0.00461)	0.00980* (0.00507)	0.00795 (0.00563)	0.00602 (0.00607)	0.00425 (0.00716)	0.00214 (0.00830)	-0.00457 (0.00834)
Civil participation, lag	-0.0593*** (0.00538)	-0.114*** (0.00927)	-0.165*** (0.0128)	-0.215*** (0.0167)	-0.265*** (0.0204)	-0.315*** (0.0239)	-0.545*** (0.0401)	-0.756*** (0.0498)
ΔPolity scores	0.00475*** (0.000522)	0.00831*** (0.000907)	0.00892*** (0.00102)	0.00849*** (0.00104)	0.00815*** (0.00105)	0.00749*** (0.000977)	0.00575*** (0.000872)	0.00357*** (0.00101)
Polity scores, lag	0.00109*** (0.000161)	0.00144*** (0.000260)	0.00139*** (0.000337)	0.00123*** (0.000428)	0.00107** (0.000525)	0.000950 (0.000622)	0.000464 (0.00106)	0.00000834 (0.00130)
ΔEnergy.consump,log	0.000781 (0.00120)	0.0000959 (0.00127)	0.000724 (0.00157)	-0.000927 (0.00183)	-0.00173 (0.00200)	-0.00386* (0.00224)	-0.00566* (0.00320)	-0.00900** (0.00373)
Energy.consump,log, lag	0.000262 (0.000248)	0.000482 (0.000478)	0.000678 (0.000743)	0.000852 (0.00103)	0.00107 (0.00131)	0.00133 (0.00158)	0.00442 (0.00280)	0.00747** (0.00371)
year	0.000294*** (0.0000361)	0.000626*** (0.0000687)	0.000979*** (0.000103)	0.00134*** (0.000138)	0.00170*** (0.000172)	0.00205*** (0.000206)	0.00349*** (0.000355)	0.00473*** (0.000463)
ΔNeighboring empowerment, lag	0.0167*** (0.00430)	0.0303*** (0.00736)	0.0357*** (0.0117)	0.0360*** (0.0113)	0.0289** (0.0111)	0.0323** (0.0131)	0.0410* (0.0225)	0.0416*** (0.0156)
Constant	-0.550*** (0.0682)	-1.173*** (0.130)	-1.842*** (0.194)	-2.520*** (0.261)	-3.200*** (0.325)	-3.863*** (0.390)	-6.587*** (0.672)	-8.917*** (0.877)
Observations	9243	9163	9051	8935	8810	8684	8061	7465

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table B7. Fixed-effects models of the effect of existential war on changes in fertility rates (controlling for infant mortality)**

	Model 118 (current)	Model 119 (1-year)	Model 120 (2-year)	Model 121 (3-year)	Model 122 (4-year)	Model 123 (5-year)	Model 124 (10-year)	Model 125 (15-year)
Existential war	-0.0183* (0.00937)	-0.0370** (0.0177)	-0.0540** (0.0247)	-0.0684** (0.0311)	-0.0787** (0.0361)	-0.0903** (0.0409)	-0.135** (0.0655)	-0.121* (0.0628)
Fertility rate, lag	-0.0323*** (0.00318)	-0.0727*** (0.00654)	-0.120*** (0.0103)	-0.173*** (0.0142)	-0.230*** (0.0178)	-0.289*** (0.0214)	-0.604*** (0.0354)	-0.877*** (0.0387)
ΔPolity scores	-0.00109** (0.000519)	-0.00240** (0.000946)	-0.00328** (0.00133)	-0.00425** (0.00170)	-0.00466** (0.00206)	-0.00584** (0.00229)	-0.00612* (0.00318)	-0.00492 (0.00305)
Polity scores, lag	-0.000422 (0.000538)	-0.000905 (0.00106)	-0.00150 (0.00156)	-0.00208 (0.00203)	-0.00255 (0.00247)	-0.00295 (0.00288)	-0.00305 (0.00424)	-0.00243 (0.00400)
ΔEnergy.consump,log	0.000739 (0.00153)	0.00220 (0.00284)	0.00220 (0.00405)	0.00127 (0.00696)	0.00193 (0.00841)	0.00124 (0.00974)	0.00381 (0.0139)	-0.00406 (0.0131)
Energy.consump,log, lag	-0.00619*** (0.00211)	-0.0117*** (0.00428)	-0.0181** (0.00697)	-0.0222** (0.00933)	-0.0254** (0.0116)	-0.0276** (0.0136)	-0.0329 (0.0205)	-0.0370 (0.0225)
Year	0.00223*** (0.000302)	0.00429*** (0.000607)	0.00627*** (0.000912)	0.00824*** (0.00121)	0.0101*** (0.00147)	0.0119*** (0.00172)	0.0169*** (0.00284)	0.0152*** (0.00336)
ΔInfant mortality	-0.000935 (0.00167)	-0.00255 (0.00305)	-0.00517 (0.00432)	-0.00839 (0.00579)	-0.0106 (0.00740)	-0.0136 (0.00956)	-0.00517 (0.0158)	0.0190 (0.0149)
Infant mortality, lag	0.00117*** (0.000201)	0.00242*** (0.000403)	0.00367*** (0.000606)	0.00501*** (0.000810)	0.00636*** (0.00102)	0.00769*** (0.00121)	0.0135*** (0.00197)	0.0156*** (0.00207)
ΔPopulation,log	0.00644 (0.0248)	-0.0247 (0.0482)	-0.0555 (0.0698)	-0.122 (0.101)	-0.187 (0.129)	-0.258 (0.158)	-0.582** (0.290)	-1.281*** (0.274)
Population,log, lag	-0.0886*** (0.0199)	-0.183*** (0.0396)	-0.289*** (0.0599)	-0.405*** (0.0801)	-0.525*** (0.0999)	-0.652*** (0.119)	-1.228*** (0.178)	-1.607*** (0.154)
ΔNeigh. fertility rate, lag	0.0291*** (0.0109)	0.0544*** (0.0203)	0.0684** (0.0268)	0.0809** (0.0325)	0.0887** (0.0402)	0.0967** (0.0454)	0.0793 (0.0578)	0.0363 (0.0559)
Constant	-3.553*** (0.529)	-6.706*** (1.068)	-9.548*** (1.606)	-12.29*** (2.137)	-14.86*** (2.583)	-17.11*** (3.024)	-20.95*** (5.186)	-13.22** (6.477)
Observations	6339	6313	6212	6108	5978	5847	5192	4547

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table B8. Fixed-effects models of the effect of intrastate war on future changes in fertility rates

	Model 126 (current)	Model 127 (1-year)	Model 128 (2-year)	Model 129 (3-year)	Model 130 (4-year)	Model 131 (5-year)	Model 132 (10-year)	Model 133 (15-year)
Intrastate war	0.00443 (0.00636)	0.00753 (0.0126)	0.00996 (0.0187)	0.0108 (0.0246)	0.0124 (0.0293)	0.0127 (0.0337)	-0.00129 (0.0512)	-0.0388 (0.0677)
Fertility rate, lag	-0.0124*** (0.00242)	-0.0329*** (0.00488)	-0.0595*** (0.00741)	-0.0914*** (0.01000)	-0.128*** (0.0127)	-0.169*** (0.0154)	-0.411*** (0.0277)	-0.672*** (0.0355)
ΔPolity scores	-0.00163*** (0.000523)	-0.00344*** (0.000944)	-0.00475*** (0.00133)	-0.00622*** (0.00170)	-0.00747*** (0.00209)	-0.00909*** (0.00233)	-0.0114*** (0.00331)	-0.0107*** (0.00365)
Polity scores, lag	-0.00103** (0.000475)	-0.00213** (0.000936)	-0.00332** (0.00139)	-0.00444** (0.00183)	-0.00554** (0.00224)	-0.00647** (0.00263)	-0.00833* (0.00442)	-0.00752 (0.00567)
ΔEnergy.consump,log	-0.00121 (0.00143)	-0.00203 (0.00277)	-0.00491 (0.00417)	-0.0134* (0.00757)	-0.0160* (0.00948)	-0.0192* (0.0113)	-0.0228 (0.0180)	-0.0293 (0.0193)
Energy.consump,log, lag	-0.0160*** (0.00217)	-0.0317*** (0.00451)	-0.0496*** (0.00745)	-0.0652*** (0.0102)	-0.0789*** (0.0129)	-0.0914*** (0.0154)	-0.135*** (0.0253)	-0.151*** (0.0280)
year	0.000533** (0.000247)	0.000694 (0.000509)	0.000575 (0.000798)	0.000107 (0.00111)	-0.000634 (0.00144)	-0.00166 (0.00179)	-0.0101*** (0.00357)	-0.0219*** (0.00493)
Δ Neigh. Fertility rate, lag	0.0358*** (0.0118)	0.0692*** (0.0226)	0.0942*** (0.0311)	0.119*** (0.0392)	0.145*** (0.0486)	0.166*** (0.0561)	0.209*** (0.0756)	0.190** (0.0737)
Constant	-0.915* (0.482)	-1.058 (0.993)	-0.601 (1.554)	0.554 (2.163)	2.256 (2.805)	4.534 (3.488)	22.43*** (7.000)	46.98*** (9.729)
Observations	6677	6651	6550	6446	6316	6185	5530	4885

Standard errors in parentheses  
 \*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table B9. Fixed-effects models of the effect of interstate war on future changes in fertility rates

	Model 134 (current)	Model 135 (1-year)	Model 136 (2-year)	Model 137 (3-year)	Model 138 (4-year)	Model 139 (5-year)	Model 140 (10-year)	Model 141 (15-year)
Interstate war	-0.0167* (0.00896)	-0.0303* (0.0173)	-0.0442* (0.0263)	-0.0557 (0.0362)	-0.0643 (0.0470)	-0.0750 (0.0613)	-0.0915 (0.130)	-0.131 (0.153)
Fertility rate, lag	-0.0122*** (0.00243)	-0.0324*** (0.00490)	-0.0588*** (0.00744)	-0.0904*** (0.0100)	-0.127*** (0.0127)	-0.167*** (0.0154)	-0.409*** (0.0280)	-0.670*** (0.0356)
ΔPolity scores	-0.00164*** (0.000513)	-0.00346*** (0.000926)	-0.00478*** (0.00131)	-0.00626*** (0.00167)	-0.00751*** (0.00206)	-0.00915*** (0.00229)	-0.0115*** (0.00329)	-0.0108*** (0.00367)
Polity scores, lag	-0.00101** (0.000480)	-0.00209** (0.000945)	-0.00325** (0.00140)	-0.00436** (0.00185)	-0.00544** (0.00226)	-0.00636** (0.00266)	-0.00823* (0.00444)	-0.00743 (0.00569)
ΔEnergy.consump,log	-0.00123 (0.00144)	-0.00207 (0.00279)	-0.00493 (0.00419)	-0.0135* (0.00764)	-0.0161* (0.00956)	-0.0193* (0.0114)	-0.0227 (0.0182)	-0.0284 (0.0196)
Energy.consump,log, lag	-0.0159*** (0.00215)	-0.0316*** (0.00448)	-0.0494*** (0.00740)	-0.0650*** (0.0102)	-0.0787*** (0.0128)	-0.0911*** (0.0154)	-0.135*** (0.0253)	-0.150*** (0.0280)
Year	0.000527** (0.000245)	0.000685 (0.000506)	0.000559 (0.000795)	0.0000858 (0.00111)	-0.000655 (0.00143)	-0.00168 (0.00178)	-0.0101*** (0.00357)	-0.0221*** (0.00494)
ΔNeigh. Fertility rate, lag	0.0356*** (0.0117)	0.0688*** (0.0225)	0.0937*** (0.0309)	0.118*** (0.0390)	0.144*** (0.0483)	0.165*** (0.0558)	0.209*** (0.0752)	0.189** (0.0735)
Constant	-0.904* (0.479)	-1.041 (0.988)	-0.571 (1.547)	0.592 (2.156)	2.294 (2.797)	4.573 (3.481)	22.45*** (7.004)	47.27*** (9.750)
Observations	6677	6651	6550	6446	6316	6185	5530	4885

Standard errors in parentheses  
 \*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table B10. Fixed-effects models of the effect of battle deaths on future changes in fertility rates**

	Model 142 (current)	Model 143 (1-year)	Model 144 (2-year)	Model 145 (3-year)	Model 146 (4-year)	Model 147 (5-year)	Model 148 (10-year)	Model 149 (15-year)
Battle deaths, log	-0.000491 (0.000752)	-0.000969 (0.00150)	-0.00136 (0.00224)	-0.00172 (0.00298)	-0.00208 (0.00372)	-0.00238 (0.00449)	-0.00601 (0.00855)	-0.0112 (0.0108)
Fertility rate, lag	-0.00861*** (0.00305)	-0.0263*** (0.00604)	-0.0516*** (0.00888)	-0.0838*** (0.0116)	-0.122*** (0.0142)	-0.164*** (0.0166)	-0.410*** (0.0279)	-0.672*** (0.0356)
ΔPolity scores	-0.00160*** (0.000539)	-0.00340*** (0.000968)	-0.00493*** (0.00137)	-0.00649*** (0.00176)	-0.00763*** (0.00216)	-0.00902*** (0.00238)	-0.0115*** (0.00331)	-0.0109*** (0.00368)
Polity scores, lag	-0.000887* (0.000482)	-0.00182* (0.000947)	-0.00283** (0.00141)	-0.00387** (0.00185)	-0.00492** (0.00226)	-0.00592** (0.00265)	-0.00830* (0.00444)	-0.00745 (0.00569)
ΔEnergy.consump,log	-0.00418** (0.00190)	-0.00768** (0.00375)	-0.0117** (0.00563)	-0.0149* (0.00753)	-0.0174* (0.00946)	-0.0199* (0.0113)	-0.0237 (0.0180)	-0.0304 (0.0197)
Energy.consump,log, lag	-0.0168*** (0.00267)	-0.0329*** (0.00542)	-0.0485*** (0.00819)	-0.0631*** (0.0109)	-0.0767*** (0.0135)	-0.0892*** (0.0159)	-0.135*** (0.0254)	-0.150*** (0.0280)
Year	0.000536 (0.000346)	0.000663 (0.000687)	0.000493 (0.00103)	-0.00000774 (0.00136)	-0.000783 (0.00167)	-0.00188 (0.00197)	-0.01000*** (0.00355)	-0.0218*** (0.00489)
ΔNeigh. fertility rate, lag	0.0316*** (0.0108)	0.0614*** (0.0208)	0.0866*** (0.0294)	0.112*** (0.0378)	0.135*** (0.0458)	0.158*** (0.0538)	0.209*** (0.0750)	0.190** (0.0734)
Constant	-0.932 (0.677)	-1.016 (1.344)	-0.481 (2.008)	0.730 (2.657)	2.504 (3.275)	4.922 (3.857)	22.28*** (6.979)	46.73*** (9.658)
Observations	5922	5923	5923	5923	5923	5923	5530	4885

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table B11. Fixed-effects models of the effect of war on future changes in women's empowerment using military expenditures

	Model 150 (military expenditure)	Model 151 (current)	Model 152 (1-year)	Model 153 (2-year)	Model 154 (3-year)	Model 155 (4-year)	Model 156 (5-year)	Model 157 (10-year)	Model 158 (15-year)
War	0.160*** (0.0251)	-0.00181 (0.00136)	-0.000587 (0.00206)	0.00131 (0.00299)	0.00310 (0.00376)	0.00399 (0.00442)	0.00443 (0.00530)	0.00183 (0.00862)	-0.00563 (0.00972)
Mili.ex.pc, log, lag	-0.101*** (0.00763)	0.00133*** (0.000371)	0.00224*** (0.000839)	0.00398*** (0.00142)	0.00542*** (0.00198)	0.00640** (0.00245)	0.00715** (0.00290)	0.0105** (0.00461)	0.00723 (0.00553)
ΔMili.ex.pc, log	-0.00522 (0.00322)	-0.00178* (0.000908)	-0.00199* (0.00105)	-0.00114 (0.00145)	-0.000673 (0.00238)	0.00170 (0.00250)	0.00256 (0.00302)	0.00818** (0.00401)	0.0105** (0.00501)
ΔPolity scores	-0.00345*** (0.000471)	0.00345*** (0.000471)	0.00601*** (0.000797)	0.00632*** (0.000933)	0.00578*** (0.000937)	0.00561*** (0.00102)	0.00535*** (0.000982)	0.00403*** (0.000884)	0.00397*** (0.000922)
Polity scores, lag	-0.000947 (0.00133)	0.000799*** (0.000102)	0.00107*** (0.000181)	0.00129*** (0.000262)	0.00150*** (0.000337)	0.00167*** (0.000406)	0.00190*** (0.000485)	0.00248*** (0.000840)	0.00149 (0.000988)
ΔEnergy.consump,log	0.337*** (0.0531)	0.000762 (0.000971)	0.000718 (0.00101)	0.000276 (0.00110)	-0.000759 (0.00127)	-0.00108 (0.00159)	-0.00284 (0.00227)	-0.00417 (0.00318)	-0.00537 (0.00377)
Energy.consump,log, lag	-0.00470 (0.00447)	0.000209 (0.000285)	0.000278 (0.000538)	0.000325 (0.000803)	0.000584 (0.00109)	0.000866 (0.00136)	0.00116 (0.00161)	0.00231 (0.00269)	0.00471 (0.00343)
Year	0.00847*** (0.000590)	0.000174*** (0.0000373)	0.000341*** (0.0000716)	0.000483*** (0.000115)	0.000654*** (0.000158)	0.000845*** (0.000202)	0.00105*** (0.000242)	0.00205*** (0.000429)	0.00314*** (0.000560)
Political empowerment, lag	-0.0545*** (0.00515)	-0.0963*** (0.00880)	-0.0963*** (0.00880)	-0.144*** (0.0123)	-0.194*** (0.0163)	-0.243*** (0.0198)	-0.292*** (0.0234)	-0.525*** (0.0399)	-0.699*** (0.0465)
ΔPopulation,log	-0.00727 (0.00880)	-0.00727 (0.00880)	-0.00201 (0.0139)	0.0127 (0.0161)	-0.00877 (0.0213)	-0.00894 (0.0226)	-0.00668 (0.0307)	-0.0812* (0.0443)	-0.0938*** (0.0325)
Population,log, lag	0.00209 (0.00179)	0.00542 (0.00352)	0.00542 (0.00352)	0.0103* (0.00532)	0.0143* (0.00736)	0.0182* (0.00933)	0.0215* (0.0112)	0.0380* (0.0199)	0.0460* (0.0271)
Irre.leade.change	0.00169 (0.00341)	0.00983* (0.00522)	0.00983* (0.00522)	0.00954* (0.00568)	0.0137** (0.00553)	0.0150** (0.00588)	0.0142** (0.00620)	0.00892 (0.00691)	0.00276 (0.00657)
ΔNeigh. empowerment, lag	0.00669 (0.00405)	0.0203*** (0.00666)	0.0203*** (0.00666)	0.0217** (0.00943)	0.0228** (0.00938)	0.0172* (0.00877)	0.0187** (0.00917)	0.0101 (0.0151)	0.0142 (0.0145)
Constant	-16.30*** (1.125)	-0.336*** (0.0638)	-0.673*** (0.122)	-0.974*** (0.196)	-1.323*** (0.269)	-1.710*** (0.344)	-2.126*** (0.410)	-4.115*** (0.715)	-6.220*** (0.916)
Observations	9810	7402	7223	7061	6895	6742	6604	5986	5472

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$



**Table B12. Fixed-effects models of the effect of territorial threat on future changes in women's empowerment (without controlling for war)**

	Model 159 (current)	Model 160 (1-year)	Model 161 (2-year)	Model 162 (3-year)	Model 163 (4-year)	Model 164 (5-year)	Model 165 (10-year)	Model 166 (15-year)
ΔTerritorial threat	-0.00482 (0.00404)	0.000955 (0.00499)	0.00447 (0.00647)	0.00958 (0.00942)	0.0107 (0.0107)	0.0162 (0.0109)	0.0315*** (0.0115)	-0.0115 (0.0116)
Territorial threat, lag	0.00187 (0.00423)	0.00878 (0.00849)	0.0177 (0.0129)	0.0268* (0.0162)	0.0362** (0.0178)	0.0504*** (0.0191)	0.0420* (0.0214)	-0.0281 (0.0244)
Political empowerment, lag	-0.0552*** (0.00648)	-0.101*** (0.0110)	-0.151*** (0.0152)	-0.205*** (0.0196)	-0.255*** (0.0239)	-0.306*** (0.0278)	-0.513*** (0.0416)	-0.672*** (0.0441)
ΔPolity scores	0.00326*** (0.000477)	0.00587*** (0.000819)	0.00619*** (0.000939)	0.00551*** (0.000941)	0.00530*** (0.000989)	0.00499*** (0.000939)	0.00374*** (0.000819)	0.00361*** (0.000838)
Polity scores, lag	0.000816*** (0.000125)	0.00107*** (0.000209)	0.00119*** (0.000286)	0.00136*** (0.000365)	0.00151*** (0.000434)	0.00174*** (0.000507)	0.00216** (0.000842)	0.00148 (0.000969)
ΔEnergy.consump,log	0.000307 (0.000643)	-0.000265 (0.000807)	-0.000671 (0.00117)	-0.00142 (0.00134)	-0.00225 (0.00160)	-0.00394* (0.00220)	-0.00496 (0.00310)	-0.00523 (0.00384)
Energy.consump,log, lag	-0.0000737 (0.000230)	-0.000189 (0.000440)	-0.000133 (0.000676)	0.0000489 (0.000911)	0.000375 (0.00111)	0.000755 (0.00129)	0.00396* (0.00219)	0.00805*** (0.00298)
Year	0.000319*** (0.0000366)	0.000635*** (0.0000670)	0.000967*** (0.0000975)	0.00130*** (0.000131)	0.00161*** (0.000160)	0.00191*** (0.000185)	0.00303*** (0.000301)	0.00381*** (0.000389)
ΔNeighboring empowerment, lag	0.00893** (0.00408)	0.0157*** (0.00591)	0.0177** (0.00693)	0.0167** (0.00772)	0.0126 (0.00903)	0.0195* (0.0107)	0.0105 (0.0148)	0.0256* (0.0134)
Constant	-0.596*** (0.0685)	-1.190*** (0.125)	-1.814*** (0.183)	-2.446*** (0.245)	-3.024*** (0.300)	-3.580*** (0.347)	-5.682*** (0.566)	-7.135*** (0.734)
Observations	6514	6405	6332	6267	6221	6191	6121	5870

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table B13. Fixed-effects models of the effect of territorial threat on future changes in women's empowerment (controlling for war)**

	Model 167 (current)	Model 168 (1-year)	Model 169 (2-year)	Model 170 (3-year)	Model 171 (4-year)	Model 172 (5-year)	Model 173 (10-year)	Model 174 (15-year)
ΔTerritorial threat	-0.00374 (0.00403)	0.00139 (0.00509)	0.00393 (0.00649)	0.00777 (0.00945)	0.00829 (0.0107)	0.0143 (0.0106)	0.0290** (0.0118)	-0.0135 (0.0132)
Territorial threat, lag	0.00349 (0.00438)	0.00946 (0.00855)	0.0169 (0.0128)	0.0240 (0.0160)	0.0324* (0.0172)	0.0474** (0.0184)	0.0381* (0.0221)	-0.0311 (0.0270)
War	-0.00214 (0.00159)	-0.000893 (0.00261)	0.00111 (0.00353)	0.00372 (0.00431)	0.00494 (0.00516)	0.00390 (0.00579)	0.00512 (0.00821)	0.00417 (0.00969)
Political empowerment, lag	-0.0563*** (0.00650)	-0.102*** (0.0110)	-0.150*** (0.0152)	-0.203*** (0.0196)	-0.252*** (0.0238)	-0.304*** (0.0277)	-0.510*** (0.0418)	-0.670*** (0.0453)
ΔPolity scores	0.00326*** (0.000477)	0.00587*** (0.000820)	0.00619*** (0.000939)	0.00551*** (0.000939)	0.00531*** (0.000991)	0.00499*** (0.000940)	0.00375*** (0.000815)	0.00361*** (0.000838)
Polity scores, lag	0.000830*** (0.000125)	0.00108*** (0.000209)	0.00118*** (0.000287)	0.00133*** (0.000366)	0.00148*** (0.000435)	0.00171*** (0.000508)	0.00213** (0.000840)	0.00145 (0.000975)
ΔEnergy.consump,log	0.000277 (0.000642)	-0.000277 (0.000799)	-0.000652 (0.00115)	-0.00135 (0.00133)	-0.00216 (0.00159)	-0.00385* (0.00219)	-0.00488 (0.00307)	-0.00514 (0.00380)
Energy.consump,log, lag	-0.0000647 (0.000230)	-0.000186 (0.000440)	-0.000136 (0.000675)	0.0000359 (0.000910)	0.000359 (0.00111)	0.000745 (0.00129)	0.00392* (0.00217)	0.00801*** (0.00295)
year	0.000323*** (0.0000367)	0.000637*** (0.0000670)	0.000965*** (0.0000976)	0.00130*** (0.000131)	0.00160*** (0.000160)	0.00190*** (0.000185)	0.00302*** (0.000302)	0.00380*** (0.000394)
ΔNeighboring empowerment, lag	0.00901** (0.00408)	0.0158*** (0.00592)	0.0177** (0.00694)	0.0165** (0.00773)	0.0125 (0.00902)	0.0194* (0.0107)	0.0106 (0.0148)	0.0255* (0.0134)
Constant	-0.603*** (0.0686)	-1.193*** (0.125)	-1.811*** (0.183)	-2.434*** (0.245)	-3.006*** (0.299)	-3.566*** (0.347)	-5.666*** (0.569)	-7.123*** (0.743)
Observations	6514	6405	6332	6267	6221	6191	6121	5870

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table B14. Interaction effects between change in energy consumption and war on changes in women's empowerment**

	Model 175-1 (current)	Model 175-2 (1-year)	Model 175-3 (2-year)	Model 175-4 (3-year)	Model 175-5 (4-year)	Model 175-6 (5-year)	Model 175-7 (10-year)	Model 175-8 (15-year)
War	-0.00161 (0.00124)	0.000615 (0.00211)	0.00339 (0.00297)	0.00686* (0.00364)	0.00927** (0.00448)	0.0103* (0.00531)	0.0108 (0.00811)	0.00555 (0.00923)
ΔEnergy.consump,log	0.000275 (0.000883)	-0.0000910 (0.000992)	-0.000352 (0.00110)	-0.00113 (0.00135)	-0.00137 (0.00163)	-0.00268 (0.00217)	-0.00292 (0.00282)	-0.00394 (0.00382)
War × ΔEnergy.consump,log	0.00132 (0.00204)	0.000281 (0.00363)	0.00147 (0.00453)	0.00238 (0.00637)	0.000577 (0.00648)	-0.00437 (0.0111)	-0.0180 (0.0117)	-0.0122 (0.0138)
Political empowerment, lag	-0.0520*** (0.00484)	-0.0949*** (0.00847)	-0.140*** (0.0118)	-0.189*** (0.0155)	-0.236*** (0.0190)	-0.286*** (0.0226)	-0.508*** (0.0380)	-0.675*** (0.0447)
ΔPolity scores	0.00318*** (0.000434)	0.00572*** (0.000759)	0.00595*** (0.000870)	0.00539*** (0.000869)	0.00509*** (0.000929)	0.00482*** (0.000893)	0.00358*** (0.000780)	0.00356*** (0.000832)
Polity scores, lag	0.000707*** (0.0000940)	0.000928*** (0.000164)	0.00103*** (0.000231)	0.00117*** (0.000300)	0.00128*** (0.000362)	0.00149*** (0.000434)	0.00194** (0.000780)	0.00129 (0.000955)
Energy.consump,log, lag	0.000286 (0.000205)	0.000555 (0.000388)	0.000945 (0.000587)	0.00138* (0.000796)	0.00184* (0.000982)	0.00231** (0.00116)	0.00480** (0.00203)	0.00799*** (0.00284)
Year	0.000253*** (0.0000295)	0.000507*** (0.0000552)	0.000777*** (0.0000819)	0.00107*** (0.000110)	0.00134*** (0.000135)	0.00162*** (0.000160)	0.00290*** (0.000283)	0.00384*** (0.000380)
ΔNeigh. empowerment, lag	0.00605* (0.00360)	0.0189*** (0.00574)	0.0227*** (0.00853)	0.0238*** (0.00861)	0.0189** (0.00834)	0.0223** (0.00875)	0.0142 (0.0139)	0.0249* (0.0132)
Constant	-0.471*** (0.0552)	-0.949*** (0.104)	-1.456*** (0.154)	-1.997*** (0.207)	-2.510*** (0.253)	-3.045*** (0.301)	-5.440*** (0.534)	-7.197*** (0.716)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

## C. Robustness Checks and Additional Mechanisms

We run several sets of robustness checks to demonstrate that our findings are generally consistent across alternative measures of some key variables and alternative sets of controls. We present the following findings in the Tables [C1-C14](#).

First, we consider the potential for the irregular regime change variable to be highly correlated with the levels and changes in the Polity score included as a control variable. We thus run the models that treat regime change as an intermediate variable without the Polity variables included.<sup>128</sup> Even when the Polity variables are excluded, we consistently find that war increases the propensity for irregular regime change, which is associated with increases in women’s empowerment.<sup>129</sup>

Second, we consider the potential for changes in the Polity score to serve as an intermediate variable.<sup>130</sup> We find, however, that expected war is not a statistically significant variable that explains changes in Polity scores. Combined with the first robustness check above, it does appear that irregular regime change is capturing a political process that responds to war in ways that are distinct from shifts in the Polity score. Our results also show, consistent with common expectations about the relationship between democratization and gender equality, that Polity-score increases are associated with women’s empowerment increases.

Polity scores might not adequately control for broader changes and differences in political participation that confound the relationship between war and women’s empowerment. Specifically,<sup>130</sup> we consider the possibility that war increases the political engagement of all members of society, not just women, which would undermine the inference that war has gendered social consequences. We thus replace the Polity score variables with two measures from the V-Dem data that capture aspects of democratic governance separate from women’s empowerment. The first variable is the *civil society index*, which captures civil soci-

---

128. See Model 176 in Table [C1](#).

129. See Models 178-185 in Table [C2](#).

130. See Model 177 in Table [C1](#); and Models 62-69 in Table [A9](#).

ety robustness—how much individuals enjoy autonomy from the state and are free to pursue their political and civic goals. The second is the *clean election index*, defined as the extent to which elections are free and fair. Like the Polity scores, we include both the temporal lags and the first differences.<sup>131</sup> The results confirm that war still is associated with women’s empowerment increases even when these alternative controls—which are also associated with gains in women’s empowerment—are included. These tests further support the conclusion that war is shaping women’s empowerment and not just general political shifts that correlate with women’s empowerment.

We also consider the possibility that other forms of instability create similar opportunities for women’s empowerment. In separate fixed-effects regression models that replace war with *national strikes*, *government crises*, *riots* and *mass demonstrations*, we find that both national strikes and mass demonstrations are associated with gains in women’s empowerment in the short, medium and long runs.<sup>132</sup> When war is added in addition to these variables, the medium-term effect of war is robust.<sup>133</sup> War shapes gender power dynamics differently than other sources of social upheaval that also appear to open up opportunities for women’s empowerment. Further analysis should investigate the mechanisms by which other types of social upheaval contribute to gender power dynamics.

We additionally consider whether WWII is a breakpoint in the relationship between war and women’s empowerment. We thus run our main model with an interaction between war and a dummy variable indicator of the post-1946 period.<sup>134</sup> We do not find that the relationship between war and women’s empowerment is significantly different in the pre- and post-WWII periods.

Finally, we consider a number of additional robustness checks of our main model of types of war on future changes in women’s empowerment. In one set of models, we use lagged

---

131. See Models 186-193 in Table C3.

132. See Models 194-201, 202-209, 210-217 and 218-225, in Tables C4, C5, C6, and C7, respectively.

133. See Models 26-233 and 234-241 in Tables C8 and C9, respectively.

134. See Models 242-249 in Table C10.

changes of polity scores and energy consumption to avoid post-treatment bias.<sup>135</sup> In another set, we add year fixed effects to further control for cross-panel autocorrelation.<sup>136</sup> In two other sets of models, we check if our results hold in simple models without any control variables but with country fixed effects and, separately, with both country and year fixed effects.<sup>137</sup> Our main findings hold in each set of models.

**Table C1. Robustness Check: Irregular regime change and polity as intermediate variables**

	Model 176 (DV: Irregular leader change w/o polity)	Model 177 (DV: $\Delta$ polity2)
War	0.0883*** (0.0118)	-0.0261 (0.0754)
$\Delta$ Energy.consump,log	-0.0132*** (0.00381)	-0.0834 (0.0660)
Energy.consump,log, lag	-0.00290 (0.00227)	0.0257* (0.0143)
Year	-0.000424*** (0.000149)	0.00601*** (0.00125)
Polity scores, lag		-0.0735*** (0.00608)
Constant	0.896*** (0.280)	-11.95*** (2.380)
Observations	11507	10871

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

135. See Models 250-257 in Table C11.

136. See Models 258-265 in Table C12.

137. See Models 266-273, and 274-281 in Tables C13 and C14.

**Table C2. Robustness Check: Fixed-effects models of the effect of irregular leadership change on future changes in women's empowerment(without polity)**

	Model 178 (current)	Model 179 (1-year)	Model 180 (2-year)	Model 181 (3-year)	Model 182 (4-year)	Model 183 (5-year)	Model 184 (10-year)	Model 185 (15-year)
War	-0.00162 (0.00123)	-0.000227 (0.00202)	0.00257 (0.00282)	0.00446 (0.00335)	0.00548 (0.00395)	0.00635 (0.00457)	0.00608 (0.00752)	0.00413 (0.00844)
Political empowerment, lag	-0.0360*** (0.00423)	-0.0741*** (0.00740)	-0.115*** (0.0102)	-0.159*** (0.0132)	-0.201*** (0.0160)	-0.243*** (0.0187)	-0.454*** (0.0312)	-0.656*** (0.0389)
ΔMil.per.pc,log	-0.00471 (0.00288)	-0.00104 (0.00329)	-0.000115 (0.00370)	0.000809 (0.00412)	0.00451 (0.00444)	0.00584 (0.00566)	0.00691 (0.00753)	0.00105 (0.00976)
Mil.per.pc,log, lag	0.00332** (0.00152)	0.00743** (0.00296)	0.00978** (0.00453)	0.0118* (0.00599)	0.0129* (0.00732)	0.0132 (0.00843)	0.00664 (0.0129)	-0.0120 (0.0142)
ΔPopulation,log	-0.00358 (0.00948)	-0.0256 (0.0256)	-0.0200 (0.0309)	-0.0523 (0.0319)	-0.0546* (0.0322)	-0.0693** (0.0311)	-0.105*** (0.0329)	-0.101*** (0.0327)
Population,log, lag	0.00174 (0.00160)	0.00464 (0.00321)	0.00749 (0.00479)	0.00977 (0.00634)	0.0121 (0.00787)	0.0142 (0.00942)	0.0263 (0.0167)	0.0353 (0.0226)
Irre.leade.change	-0.00278 (0.00326)	0.0124** (0.00484)	0.0124** (0.00512)	0.0131** (0.00516)	0.0106** (0.00519)	0.00786 (0.00539)	0.00777 (0.00598)	0.000133 (0.00534)
ΔEnergy.consump,log	0.0000585 (0.000896)	-0.000446 (0.000968)	-0.00117 (0.00121)	-0.00205 (0.00143)	-0.00285* (0.00166)	-0.00449** (0.00227)	-0.00498 (0.00314)	-0.00567 (0.00392)
Energy.consump,log, lag	0.000182 (0.000264)	0.000213 (0.000537)	0.000290 (0.000783)	0.000515 (0.00103)	0.000819 (0.00127)	0.00114 (0.00151)	0.00277 (0.00256)	0.00535* (0.00321)
Year	0.000212*** (0.0000324)	0.000435*** (0.0000609)	0.000673*** (0.0000900)	0.000924*** (0.000118)	0.00116*** (0.000148)	0.00139*** (0.000177)	0.00249*** (0.000327)	0.00348*** (0.000469)
ΔNeighboring empowerment, lag	0.00685* (0.00360)	0.0206*** (0.00588)	0.0263*** (0.00896)	0.0293*** (0.00889)	0.0226*** (0.00851)	0.0284*** (0.00909)	0.0242 (0.0151)	0.0307* (0.0159)
Constant	-0.413*** (0.0571)	-0.858*** (0.107)	-1.327*** (0.157)	-1.818*** (0.206)	-2.273*** (0.255)	-2.736*** (0.303)	-4.883*** (0.553)	-6.784*** (0.792)
Observations	8135	7924	7743	7562	7390	7238	6556	6041

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table C3. Robustness Check: Fixed-effects models of the effect of civil society index and clean election index on future changes in women's empowerment**

	Model 186 (current)	Model 187 (1-year)	Model 188 (2-year)	Model 189 (3-year)	Model 190 (4-year)	Model 191 (5-year)	Model 192 (10-year)	Model 193 (15-year)
War	-0.000990 (0.00100)	0.00121 (0.00176)	0.00448* (0.00269)	0.00723** (0.00335)	0.00946** (0.00414)	0.0106** (0.00481)	0.00951 (0.00741)	0.00369 (0.00864)
Political empowerment, lag	-0.0488*** (0.00486)	-0.0946*** (0.00966)	-0.145*** (0.0138)	-0.196*** (0.0177)	-0.245*** (0.0214)	-0.294*** (0.0251)	-0.531*** (0.0443)	-0.718*** (0.0599)
ΔCivil society index	0.193*** (0.0180)	0.257*** (0.0265)	0.255*** (0.0292)	0.247*** (0.0304)	0.244*** (0.0317)	0.237*** (0.0307)	0.161*** (0.0297)	0.128*** (0.0268)
Civil society index, lag	0.0133*** (0.00228)	0.0193*** (0.00434)	0.0235*** (0.00644)	0.0271*** (0.00853)	0.0292*** (0.0102)	0.0307*** (0.0117)	0.0345* (0.0205)	0.0337 (0.0274)
ΔClean election index	0.0337*** (0.00875)	0.0301*** (0.0114)	0.0277*** (0.0106)	0.0282** (0.0119)	0.0217* (0.0129)	0.0299** (0.0134)	0.0247 (0.0192)	0.0155 (0.0216)
Clean election index, lag	0.00359 (0.00248)	0.00398 (0.00478)	0.00476 (0.00728)	0.00521 (0.0101)	0.00806 (0.0126)	0.0118 (0.0149)	0.0298 (0.0255)	0.0307 (0.0342)
ΔEnergy.consump,log	-0.0000925 (0.000733)	-0.000955 (0.000888)	-0.00110 (0.00118)	-0.00207 (0.00133)	-0.00248 (0.00157)	-0.00408* (0.00213)	-0.00492 (0.00310)	-0.00491 (0.00375)
Energy.consump,log, lag	0.000149 (0.000174)	0.000373 (0.000346)	0.000776 (0.000552)	0.00124 (0.000752)	0.00178* (0.000935)	0.00224** (0.00110)	0.00497** (0.00197)	0.00815*** (0.00276)
Year	0.000228*** (0.0000276)	0.000490*** (0.0000565)	0.000779*** (0.0000862)	0.00107*** (0.000114)	0.00134*** (0.000140)	0.00162*** (0.000166)	0.00291*** (0.000300)	0.00392*** (0.000420)
ΔNeighboring empowerment, lag	0.000678 (0.00335)	0.0128** (0.00549)	0.0180** (0.00831)	0.0184** (0.00843)	0.0129 (0.00818)	0.0165* (0.00873)	0.0109 (0.0139)	0.0192 (0.0132)
Constant	-0.432*** (0.0523)	-0.926*** (0.107)	-1.471*** (0.163)	-2.021*** (0.216)	-2.529*** (0.266)	-3.052*** (0.315)	-5.468*** (0.570)	-7.363*** (0.798)
Observations	8408	8193	8004	7816	7639	7480	6756	6200

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table C4. Robustness Check: Fixed-effects models of the effect of strikes on future changes in women's empowerment**

	Model 194 (current)	Model 195 (1-year)	Model 196 (2-year)	Model 197 (3-year)	Model 198 (4-year)	Model 199 (5-year)	Model 200 (10-year)	Model 201 (15-year)
Strike, dummy	0.00249* (0.00132)	0.00389* (0.00204)	0.00628** (0.00246)	0.00907*** (0.00280)	0.0104*** (0.00369)	0.0121*** (0.00396)	0.0223*** (0.00714)	0.0191** (0.00782)
Political empowerment, lag	-0.0512*** (0.00485)	-0.0952*** (0.00851)	-0.141*** (0.0120)	-0.192*** (0.0158)	-0.240*** (0.0194)	-0.291*** (0.0232)	-0.513*** (0.0383)	-0.679*** (0.0433)
ΔPolity scores	0.00318*** (0.000433)	0.00569*** (0.000756)	0.00591*** (0.000862)	0.00532*** (0.000858)	0.00500*** (0.000909)	0.00475*** (0.000881)	0.00347*** (0.000781)	0.00344*** (0.000824)
Polity scores, lag	0.000691*** (0.0000931)	0.000916*** (0.000162)	0.00102*** (0.000228)	0.00116*** (0.000297)	0.00128*** (0.000361)	0.00148*** (0.000435)	0.00186** (0.000784)	0.00119 (0.000928)
ΔEnergy.consump,log	0.000498 (0.000839)	-0.0000248 (0.000905)	-0.000230 (0.00111)	-0.000942 (0.00136)	-0.00147 (0.00160)	-0.00334 (0.00222)	-0.00469 (0.00313)	-0.00481 (0.00380)
Energy.consump,log, lag	0.000251 (0.000203)	0.000530 (0.000382)	0.000918 (0.000579)	0.00135* (0.000790)	0.00181* (0.000980)	0.00226* (0.00115)	0.00467** (0.00203)	0.00786*** (0.00284)
Year	0.000250*** (0.0000294)	0.000506*** (0.0000552)	0.000777*** (0.0000818)	0.00107*** (0.000110)	0.00134*** (0.000135)	0.00163*** (0.000160)	0.00290*** (0.000278)	0.00383*** (0.000370)
ΔNeighboring empowerment, lag	0.00553 (0.00355)	0.0182*** (0.00570)	0.0219** (0.00853)	0.0229*** (0.00864)	0.0179** (0.00842)	0.0209** (0.00884)	0.0106 (0.0142)	0.0227* (0.0135)
Constant	-0.466*** (0.0550)	-0.945*** (0.103)	-1.455*** (0.154)	-2.000*** (0.206)	-2.519*** (0.253)	-3.054*** (0.301)	-5.428*** (0.525)	-7.177*** (0.699)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table C5. Robustness Check: Fixed-effects models of the effect of government crises on future changes in women's empowerment**

	Model 202 (current)	Model 203 (1-year)	Model 204 (2-year)	Model 205 (3-year)	Model 206 (4-year)	Model 207 (5-year)	Model 208 (10-year)	Model 209 (15-year)
Gov.crisis, dummy	0.000808 (0.000920)	0.00187 (0.00137)	0.00260 (0.00180)	0.00280 (0.00227)	0.00297 (0.00259)	0.00152 (0.00279)	-0.00239 (0.00403)	-0.00349 (0.00475)
Political empowerment, lag	-0.0510*** (0.00487)	-0.0948*** (0.00849)	-0.141*** (0.0119)	-0.192*** (0.0157)	-0.240*** (0.0193)	-0.291*** (0.0231)	-0.514*** (0.0382)	-0.679*** (0.0433)
ΔPolity score	0.00318*** (0.000434)	0.00570*** (0.000758)	0.00594*** (0.000869)	0.00538*** (0.000869)	0.00506*** (0.000925)	0.00480*** (0.000894)	0.00355*** (0.000796)	0.00357*** (0.000836)
Polity score, lag	0.000695*** (0.0000952)	0.000917*** (0.000164)	0.00103*** (0.000230)	0.00118*** (0.000299)	0.00130*** (0.000363)	0.00153*** (0.000436)	0.00202** (0.000785)	0.00137 (0.000926)
ΔEnergy.consump,log	0.000452 (0.000835)	-0.0000941 (0.000899)	-0.000281 (0.00110)	-0.00102 (0.00135)	-0.00157 (0.00159)	-0.00345 (0.00220)	-0.00489 (0.00307)	-0.00489 (0.00378)
Energy.consump,log, lag	0.000274 (0.000206)	0.000565 (0.000389)	0.000975* (0.000588)	0.00144* (0.000799)	0.00192* (0.000988)	0.00237** (0.00117)	0.00487** (0.00207)	0.00803*** (0.00287)
Year	0.000250*** (0.0000295)	0.000506*** (0.0000553)	0.000777*** (0.0000820)	0.00107*** (0.000110)	0.00135*** (0.000136)	0.00164*** (0.000161)	0.00292*** (0.000283)	0.00386*** (0.000375)
ΔNeighboring empowerment, lag	0.00601* (0.00361)	0.0189*** (0.00574)	0.0229*** (0.00858)	0.0243*** (0.00870)	0.0194** (0.00844)	0.0227** (0.00878)	0.0145 (0.0140)	0.0250* (0.0133)
Constant	-0.466*** (0.0553)	-0.945*** (0.104)	-1.456*** (0.154)	-2.004*** (0.207)	-2.524*** (0.255)	-3.067*** (0.303)	-5.473*** (0.533)	-7.227*** (0.709)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table C6. Robustness Check: Fixed-effects models of the effect of riots on future changes in women's empowerment**

	Model 210 (current)	Model 211 (1-year)	Model 212 (2-year)	Model 213 (3-year)	Model 214 (4-year)	Model 215 (5-year)	Model 216 (10-year)	Model 217 (15-year)
Riots,dummy	0.00180* (0.000924)	0.00248* (0.00137)	0.00209 (0.00193)	0.00295 (0.00234)	0.00177 (0.00277)	0.000935 (0.00321)	0.000793 (0.00480)	0.00106 (0.00505)
Political empowerment, lag	-0.0505*** (0.00485)	-0.0943*** (0.00843)	-0.141*** (0.0119)	-0.191*** (0.0157)	-0.240*** (0.0193)	-0.291*** (0.0232)	-0.513*** (0.0384)	-0.678*** (0.0432)
ΔPolity scores	0.00318*** (0.000434)	0.00570*** (0.000755)	0.00595*** (0.000867)	0.00537*** (0.000867)	0.00506*** (0.000921)	0.00480*** (0.000892)	0.00355*** (0.000792)	0.00356*** (0.000836)
Polity scores, lag	0.000691*** (0.0000923)	0.000917*** (0.000161)	0.00104*** (0.000228)	0.00119*** (0.000297)	0.00132*** (0.000361)	0.00154*** (0.000435)	0.00199** (0.000786)	0.00132 (0.000935)
ΔEnergy.consump,log	0.000487 (0.000834)	-0.0000381 (0.000899)	-0.000235 (0.00110)	-0.000966 (0.00136)	-0.00152 (0.00160)	-0.00344 (0.00220)	-0.00493 (0.00315)	-0.00490 (0.00382)
Energy.consump,log, lag	0.000265 (0.000202)	0.000554 (0.000384)	0.000962 (0.000583)	0.00142* (0.000793)	0.00190* (0.000985)	0.00236** (0.00116)	0.00487** (0.00206)	0.00805*** (0.00287)
Year	0.000247*** (0.0000291)	0.000502*** (0.0000544)	0.000776*** (0.0000811)	0.00107*** (0.000109)	0.00135*** (0.000135)	0.00164*** (0.000161)	0.00291*** (0.000281)	0.00384*** (0.000370)
ΔNeighboring empowerment, lag	0.00571 (0.00357)	0.0186*** (0.00568)	0.0227*** (0.00853)	0.0239*** (0.00867)	0.0192** (0.00843)	0.0226** (0.00881)	0.0145 (0.0141)	0.0251* (0.0133)
Constant	-0.460*** (0.0545)	-0.939*** (0.102)	-1.453*** (0.152)	-1.998*** (0.205)	-2.525*** (0.254)	-3.067*** (0.302)	-5.460*** (0.530)	-7.205*** (0.700)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table C7. Robustness Check: Fixed-effects models of the effect of demonstrations on future changes in women's empowerment**

	Model 218 (current)	Model 219 (1-year)	Model 220 (2-year)	Model 221 (3-year)	Model 222 (4-year)	Model 223 (5-year)	Model 224 (10-year)	Model 225 (15-year)
Demonstration,dummy	0.00269*** (0.000864)	0.00419*** (0.00123)	0.00564*** (0.00171)	0.00770*** (0.00212)	0.00790*** (0.00270)	0.00905*** (0.00328)	0.00926** (0.00418)	0.0138*** (0.00464)
Political empowerment, lag	-0.0509*** (0.00488)	-0.0949*** (0.00853)	-0.141*** (0.0120)	-0.192*** (0.0158)	-0.239*** (0.0195)	-0.290*** (0.0233)	-0.513*** (0.0384)	-0.677*** (0.0434)
ΔPolity scores	0.00317*** (0.000435)	0.00567*** (0.000754)	0.00589*** (0.000862)	0.00531*** (0.000860)	0.00499*** (0.000911)	0.00472*** (0.000877)	0.00347*** (0.000777)	0.00341*** (0.000816)
Polity scores, lag	0.000689*** (0.0000938)	0.000912*** (0.000163)	0.00102*** (0.000230)	0.00116*** (0.000300)	0.00128*** (0.000365)	0.00150*** (0.000438)	0.00194** (0.000787)	0.00124 (0.000936)
ΔEnergy.consump,log	0.000496 (0.000835)	0.0000120 (0.000901)	-0.000190 (0.00111)	-0.000867 (0.00135)	-0.00142 (0.00159)	-0.00334 (0.00221)	-0.00484 (0.00316)	-0.00475 (0.00387)
Energy.consump,log, lag	0.000241 (0.000201)	0.000518 (0.000381)	0.000903 (0.000575)	0.00133* (0.000782)	0.00180* (0.000967)	0.00223* (0.00114)	0.00476** (0.00203)	0.00788*** (0.00284)
Year	0.000243*** (0.0000294)	0.000495*** (0.0000546)	0.000763*** (0.0000808)	0.00105*** (0.000109)	0.00133*** (0.000135)	0.00161*** (0.000160)	0.00288*** (0.000280)	0.00380*** (0.000369)
ΔNeighboring empowerment, lag	0.00584 (0.00362)	0.0189*** (0.00571)	0.0233*** (0.00855)	0.0248*** (0.00864)	0.0199** (0.00828)	0.0233*** (0.00876)	0.0154 (0.0140)	0.0266** (0.0134)
Constant	-0.452*** (0.0551)	-0.925*** (0.102)	-1.429*** (0.152)	-1.966*** (0.204)	-2.487*** (0.253)	-3.020*** (0.300)	-5.405*** (0.528)	-7.122*** (0.697)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$



**Table C8. Robustness Check: Fixed-effects models of the effect of strikes on future changes in women's empowerment (controlling for war)**

	Model 226 (current)	Model 227 (1-year)	Model 228 (2-year)	Model 229 (3-year)	Model 230 (4-year)	Model 231 (5-year)	Model 232 (10-year)	Model 233 (15-year)
Strike, dummy	0.00249* (0.00132)	0.00390* (0.00204)	0.00628** (0.00246)	0.00905*** (0.00280)	0.0104*** (0.00370)	0.0121*** (0.00396)	0.0223*** (0.00714)	0.0191** (0.00781)
War	-0.00156 (0.00125)	0.000663 (0.00209)	0.00346 (0.00294)	0.00694* (0.00363)	0.00928** (0.00445)	0.0101* (0.00525)	0.0100 (0.00800)	0.00502 (0.00911)
Political empowerment, lag	-0.0519*** (0.00485)	-0.0949*** (0.00848)	-0.140*** (0.0118)	-0.189*** (0.0155)	-0.235*** (0.0190)	-0.285*** (0.0227)	-0.508*** (0.0381)	-0.676*** (0.0445)
ΔPolity scores	0.00317*** (0.000433)	0.00569*** (0.000756)	0.00590*** (0.000860)	0.00533*** (0.000854)	0.00503*** (0.000910)	0.00477*** (0.000879)	0.00349*** (0.000774)	0.00344*** (0.000824)
Polity scores	0.000698*** (0.0000931)	0.000913*** (0.000162)	0.00100*** (0.000227)	0.00113*** (0.000295)	0.00123*** (0.000358)	0.00143*** (0.000431)	0.00179** (0.000780)	0.00115 (0.000939)
ΔEnergy.consump,log	0.000473 (0.000835)	-0.0000137 (0.000896)	-0.000158 (0.00110)	-0.000774 (0.00134)	-0.00124 (0.00158)	-0.00302 (0.00220)	-0.00442 (0.00308)	-0.00466 (0.00374)
Energy.consump,log, lag	0.000264 (0.000202)	0.000525 (0.000382)	0.000896 (0.000578)	0.00130 (0.000788)	0.00175* (0.000975)	0.00220* (0.00115)	0.00458** (0.00201)	0.00780*** (0.00281)
Year	0.000252*** (0.0000294)	0.000505*** (0.0000550)	0.000774*** (0.0000813)	0.00106*** (0.000109)	0.00133*** (0.000133)	0.00161*** (0.000158)	0.00288*** (0.000279)	0.00382*** (0.000374)
ΔNeighboring empowerment, lag	0.00556 (0.00355)	0.0182*** (0.00570)	0.0217** (0.00848)	0.0224*** (0.00856)	0.0175** (0.00832)	0.0206** (0.00879)	0.0105 (0.0142)	0.0226* (0.0134)
Constant	-0.468*** (0.0551)	-0.944*** (0.103)	-1.449*** (0.153)	-1.987*** (0.204)	-2.497*** (0.251)	-3.028*** (0.298)	-5.402*** (0.525)	-7.164*** (0.706)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table C9. Robustness Check: Fixed-effects models of the effect of demonstrations on future changes in women's empowerment(controlling for war)**

	Model 234 (current)	Model 235 (1-year)	Model 236 (2-year)	Model 237 (3-year)	Model 238 (4-year)	Model 239 (5-year)	Model 240 (10-year)	Model 241 (15-year)
Demonstration,dummy	0.00269*** (0.000863)	0.00419*** (0.00123)	0.00562*** (0.00170)	0.00766*** (0.00209)	0.00789*** (0.00267)	0.00901*** (0.00325)	0.00926** (0.00416)	0.0138*** (0.00460)
War	-0.00158 (0.00124)	0.000626 (0.00208)	0.00340 (0.00292)	0.00691* (0.00360)	0.00928** (0.00443)	0.0100* (0.00523)	0.0101 (0.00798)	0.00519 (0.00910)
Political empowerment, lag	-0.0517*** (0.00488)	-0.0946*** (0.00849)	-0.139*** (0.0118)	-0.189*** (0.0156)	-0.235*** (0.0191)	-0.285*** (0.0228)	-0.507*** (0.0382)	-0.674*** (0.0445)
ΔPolity scores	0.00316*** (0.000435)	0.00567*** (0.000754)	0.00589*** (0.000860)	0.00531*** (0.000856)	0.00502*** (0.000912)	0.00474*** (0.000876)	0.00349*** (0.000769)	0.00341*** (0.000816)
Polity scores, lag	0.000696*** (0.0000938)	0.000908*** (0.000163)	0.00100*** (0.000229)	0.00113*** (0.000298)	0.00124*** (0.000361)	0.00144*** (0.000434)	0.00187** (0.000783)	0.00120 (0.000946)
ΔEnergy.consump,log	0.000470 (0.000831)	0.0000225 (0.000892)	-0.000119 (0.00110)	-0.000702 (0.00133)	-0.00119 (0.00157)	-0.00301 (0.00220)	-0.00457 (0.00312)	-0.00460 (0.00381)
Energy.consump,log, lag	0.000254 (0.000200)	0.000513 (0.000381)	0.000882 (0.000574)	0.00128 (0.000781)	0.00173* (0.000965)	0.00217* (0.00114)	0.00466** (0.00201)	0.00783*** (0.00280)
Year	0.000245*** (0.0000295)	0.000495*** (0.0000544)	0.000760*** (0.0000803)	0.00104*** (0.000108)	0.00132*** (0.000133)	0.00160*** (0.000158)	0.00287*** (0.000280)	0.00379*** (0.000373)
ΔNeighboring empowerment, lag	0.00587 (0.00362)	0.0189*** (0.00571)	0.0232*** (0.00851)	0.0244*** (0.00857)	0.0194** (0.00819)	0.0229*** (0.00873)	0.0153 (0.0139)	0.0265** (0.0134)
Constant	-0.455*** (0.0553)	-0.924*** (0.102)	-1.423*** (0.151)	-1.952*** (0.202)	-2.466*** (0.250)	-2.994*** (0.297)	-5.379*** (0.528)	-7.108*** (0.703)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table C10. Robustness Check: Fixed-effects models of the effect of WWII on future changes in women's empowerment**

	Model 242 (current)	Model 243 (1-year)	Model 244 (2-year)	Model 245 (3-year)	Model 246 (4-year)	Model 247 (5-year)	Model 248 (10-year)	Model 249 (15-year)
War	-0.00151 (0.00138)	0.000133 (0.00297)	0.00617 (0.00414)	0.0129** (0.00551)	0.0196** (0.00755)	0.0210** (0.00899)	0.0226 (0.0147)	0.0108 (0.0153)
War × Post-1945 period	0.0000270 (0.00204)	0.000737 (0.00383)	-0.00355 (0.00529)	-0.00787 (0.00680)	-0.0138 (0.00892)	-0.0149 (0.0106)	-0.0183 (0.0162)	-0.00947 (0.0179)
Post-1945 period	0.00319** (0.00142)	0.00394 (0.00266)	0.00355 (0.00387)	0.00255 (0.00513)	0.000772 (0.00632)	-0.00292 (0.00741)	-0.0190* (0.0112)	-0.0257* (0.0148)
Political empowerment, lag	-0.0510*** (0.00485)	-0.0937*** (0.00849)	-0.139*** (0.0118)	-0.189*** (0.0155)	-0.236*** (0.0189)	-0.287*** (0.0225)	-0.514*** (0.0376)	-0.682*** (0.0444)
ΔPolity scores	0.00321*** (0.000437)	0.00575*** (0.000766)	0.00597*** (0.000876)	0.00538*** (0.000872)	0.00505*** (0.000932)	0.00475*** (0.000899)	0.00340*** (0.000800)	0.00335*** (0.000863)
Polity scores, lag	0.000731*** (0.0000965)	0.000957*** (0.000167)	0.00106*** (0.000236)	0.00119*** (0.000309)	0.00128*** (0.000373)	0.00146*** (0.000446)	0.00182** (0.000788)	0.00118 (0.000950)
ΔEnergy.consump,log	0.000261 (0.000854)	-0.000292 (0.000910)	-0.000353 (0.00106)	-0.000917 (0.00125)	-0.00117 (0.00147)	-0.00269 (0.00200)	-0.00317 (0.00267)	-0.00298 (0.00338)
Energy.consump,log, lag	0.000310 (0.000205)	0.000591 (0.000390)	0.000977 (0.000592)	0.00139* (0.000806)	0.00182* (0.000999)	0.00224* (0.00118)	0.00445** (0.00209)	0.00751*** (0.00287)
Year	0.000211*** (0.0000323)	0.000454*** (0.0000640)	0.000734*** (0.0000967)	0.00104*** (0.000130)	0.00135*** (0.000162)	0.00169*** (0.000194)	0.00322*** (0.000340)	0.00427*** (0.000468)
ΔNeighboring empowerment, lag	0.00505 (0.00359)	0.0177*** (0.00555)	0.0219*** (0.00837)	0.0236*** (0.00877)	0.0195** (0.00850)	0.0239*** (0.00897)	0.0207 (0.0137)	0.0328** (0.0138)
Constant	-0.391*** (0.0607)	-0.847*** (0.120)	-1.374*** (0.182)	-1.952*** (0.246)	-2.529*** (0.306)	-3.168*** (0.365)	-6.046*** (0.642)	-8.017*** (0.885)
Observations	8090	7889	7708	7527	7362	7209	6538	6009

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table C11. Robustness Check: Fixed-effects models of the effect of war on future changes in women's empowerment using lags of changes in control variables**

	Model 250 (current)	Model 251 (1-year)	Model 252 (2-year)	Model 253 (3-year)	Model 254 (4-year)	Model 255 (5-year)	Model 256 (10-year)	Model 257 (15-year)
New war	-0.00299 (0.00189)	-0.00204 (0.00291)	0.000685 (0.00376)	0.0000649 (0.00443)	0.000762 (0.00445)	0.00279 (0.00467)	0.00587 (0.00731)	0.00162 (0.00873)
Ongoing war	-0.000489 (0.00146)	0.00328 (0.00243)	0.00739** (0.00352)	0.0123*** (0.00465)	0.0146** (0.00581)	0.0148** (0.00678)	0.0131 (0.0100)	0.00661 (0.0112)
Recent war	0.00591** (0.00228)	0.00803** (0.00339)	0.00912** (0.00419)	0.00617 (0.00448)	0.00715 (0.00485)	0.00794 (0.00519)	0.00454 (0.00733)	0.000330 (0.00835)
Political empowerment, lag	-0.0377*** (0.00465)	-0.0804*** (0.00874)	-0.128*** (0.0123)	-0.176*** (0.0162)	-0.226*** (0.0200)	-0.275*** (0.0241)	-0.496*** (0.0384)	-0.661*** (0.0458)
ΔPolity scores, lag	0.00279*** (0.000416)	0.00310*** (0.000516)	0.00256*** (0.000597)	0.00263*** (0.000624)	0.00220*** (0.000643)	0.00197*** (0.000666)	0.00105 (0.000760)	0.00148* (0.000856)
Polity scores, lag	0.000136 (0.0000899)	0.000231 (0.000162)	0.000358 (0.000233)	0.000475 (0.000301)	0.000681* (0.000378)	0.000875* (0.000463)	0.00141* (0.000813)	0.000687 (0.00100)
ΔEnergy.consump,log, lag	-0.000700 (0.000477)	-0.00118 (0.000900)	-0.00178 (0.00108)	-0.00284** (0.00126)	-0.00457*** (0.00175)	-0.00457** (0.00179)	-0.00827** (0.00320)	-0.0120*** (0.00401)
Energy.consump,log, lag	0.000364* (0.000184)	0.000714* (0.000390)	0.00112* (0.000598)	0.00160** (0.000799)	0.00210** (0.000982)	0.00257** (0.00115)	0.00531** (0.00204)	0.00863*** (0.00287)
Year	0.000224*** (0.0000278)	0.000481*** (0.0000568)	0.000762*** (0.0000838)	0.00104*** (0.000111)	0.00132*** (0.000136)	0.00160*** (0.000162)	0.00285*** (0.000284)	0.00376*** (0.000382)
ΔNeighboring empowerment, lag	0.00692* (0.00366)	0.0198*** (0.00579)	0.0240*** (0.00872)	0.0254*** (0.00882)	0.0196** (0.00844)	0.0248*** (0.00884)	0.0162 (0.0140)	0.0255* (0.0132)
Constant	-0.421*** (0.0521)	-0.905*** (0.107)	-1.433*** (0.157)	-1.955*** (0.208)	-2.483*** (0.256)	-3.013*** (0.305)	-5.346*** (0.536)	-7.061*** (0.721)
Observations	8099	7873	7691	7505	7340	7193	6524	5996

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table C12. Robustness Check: Fixed-effects models of the effect of war on future changes in women's empowerment with year fixed effects**

	Model 258 (current)	Model 259 (1-year)	Model 260 (2-year)	Model 261 (3-year)	Model 262 (4-year)	Model 263 (5-year)	Model 264 (10-year)	Model 265 (15-year)
New war	-0.00276 (0.00187)	-0.00182 (0.00264)	-0.000685 (0.00360)	-0.00182 (0.00444)	-0.00115 (0.00445)	0.00104 (0.00484)	0.00290 (0.00757)	-0.000143 (0.00890)
Ongoing war	-0.00119 (0.00153)	0.000950 (0.00252)	0.00376 (0.00348)	0.00790* (0.00447)	0.00977* (0.00554)	0.00934 (0.00659)	0.00696 (0.0102)	0.00546 (0.0116)
Recent war	0.00496** (0.00232)	0.00747** (0.00348)	0.00867** (0.00409)	0.00552 (0.00442)	0.00586 (0.00479)	0.00590 (0.00516)	0.00484 (0.00751)	0.00249 (0.00841)
Political empowerment, lag	-0.0401*** (0.00483)	-0.0961*** (0.00882)	-0.142*** (0.0126)	-0.192*** (0.0166)	-0.239*** (0.0201)	-0.290*** (0.0240)	-0.529*** (0.0406)	-0.718*** (0.0481)
ΔPolity scores, lag	0.00264*** (0.000404)							
Polity scores, lag	0.000178* (0.0000984)	0.000981*** (0.000186)	0.00113*** (0.000263)	0.00130*** (0.000342)	0.00143*** (0.000414)	0.00166*** (0.000490)	0.00231*** (0.000828)	0.00186* (0.000996)
ΔPolity scores		0.00544*** (0.000740)	0.00564*** (0.000842)	0.00507*** (0.000836)	0.00469*** (0.000887)	0.00439*** (0.000868)	0.00322*** (0.000817)	0.00323*** (0.000879)
ΔEnergy.consump,log, lag	-0.000200 (0.000594)							
Energy.consump,log, lag	0.0000706 (0.000235)	-0.0000109 (0.000519)	0.0000427 (0.000775)	0.000109 (0.00105)	0.000301 (0.00130)	0.000480 (0.00154)	0.00187 (0.00267)	0.00408 (0.00347)
ΔEnergy.consump,log		0.000607 (0.00111)	0.000334 (0.00122)	-0.000468 (0.00142)	-0.00103 (0.00161)	-0.00209 (0.00197)	-0.00361 (0.00261)	-0.00240 (0.00330)
ΔNeighboring empowerment, lag	0.00449 (0.00353)	0.0125** (0.00540)	0.0156* (0.00795)	0.0168** (0.00792)	0.0144* (0.00763)	0.0170** (0.00782)	0.0151 (0.0135)	0.0250* (0.0131)
Constant	0.00843*** (0.00185)	0.0226*** (0.00391)	0.0324*** (0.00562)	0.0433*** (0.00741)	0.0535*** (0.00896)	0.0650*** (0.0106)	0.118*** (0.0198)	0.157*** (0.0261)
Observations	8099	7889	7708	7527	7362	7209	6538	6009
Year fixed effects	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table C13. Robustness Check: Fixed-effects models of the effect of war on future changes in women's empowerment with control variables**

	Model 266 (current)	Model 267 (1-year)	Model 268 (2-year)	Model 269 (3-year)	Model 270 (4-year)	Model 271 (5-year)	Model 272 (10-year)	Model 273 (15-year)
New war	-0.00332* (0.00186)	-0.00239 (0.00277)	0.00112 (0.00345)	-0.000122 (0.00423)	0.00226 (0.00430)	0.00543 (0.00467)	0.00913 (0.00734)	0.00653 (0.00961)
Ongoing war	0.000320 (0.00132)	0.00540** (0.00234)	0.0109*** (0.00350)	0.0177*** (0.00465)	0.0220*** (0.00586)	0.0242*** (0.00689)	0.0318*** (0.0107)	0.0335** (0.0135)
Recent war	0.00671*** (0.00238)	0.00886*** (0.00336)	0.0112*** (0.00405)	0.00853* (0.00443)	0.0107** (0.00489)	0.0136** (0.00525)	0.0113 (0.00695)	0.00616 (0.00953)
Constant	0.00467*** (0.000126)	0.00889*** (0.000246)	0.0133*** (0.000359)	0.0180*** (0.000455)	0.0228*** (0.000557)	0.0277*** (0.000658)	0.0546*** (0.00109)	0.0833*** (0.00143)
Observations	9628	9347	9123	8891	8680	8487	7603	6848

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

**Table C14. Robustness Check: Fixed-effects models of the effect of war on future changes in women's empowerment with control variables and year fixed effects**

	Model 274 (current)	Model 275 (1-year)	Model 276 (2-year)	Model 277 (3-year)	Model 278 (4-year)	Model 279 (5-year)	Model 280 (10-year)	Model 281 (15-year)
New war	-0.00267 (0.00181)	-0.00263 (0.00264)	0.000899 (0.00325)	-0.000797 (0.00397)	0.00165 (0.00395)	0.00487 (0.00445)	0.00973 (0.00697)	0.00995 (0.00894)
Ongoing war	-0.000376 (0.00135)	0.00367 (0.00234)	0.00820** (0.00345)	0.0140*** (0.00454)	0.0173*** (0.00563)	0.0190*** (0.00660)	0.0254** (0.0103)	0.0312** (0.0132)
Recent war	0.00542** (0.00238)	0.00741** (0.00340)	0.00951** (0.00398)	0.00706 (0.00430)	0.00945** (0.00476)	0.0117** (0.00507)	0.0125* (0.00669)	0.0116 (0.00917)
Constant	-0.00159*** (0.000563)	-0.00276*** (0.000886)	-0.00397*** (0.00116)	-0.00433*** (0.00142)	-0.00552*** (0.00174)	-0.00626*** (0.00223)	-0.00854** (0.00391)	-0.0102 (0.0111)
Observations	9628	9347	9123	8891	8680	8487	7603	6848
Year fixed effects	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Standard errors in parentheses

\*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

## D. Specification of the Endogenous Treatment Effects Regression Model

The endogenous treatment-regression model is defined as the simultaneous estimation of the following two equations:

$$\Delta y_{i,t} = \mathbf{z}_{i,t}\beta + \delta x_{i,t} + \epsilon_{i,t} \quad (1)$$

$$x_{i,t} = \begin{cases} 1, & \text{if } \mathbf{w}_{i,t}\gamma + \mu_{i,t} > 0 \\ 0, & \text{otherwise} \end{cases} \quad (2)$$

where  $\Delta y_{i,t}$  is the outcome of interest (here, change in women's empowerment), and  $x_{i,t}$  is the endogenous treatment (here, war and instability) for country  $i$  at time  $t$ . Note that  $\mathbf{z}_{i,t}$  are the covariates used to model the outcome and  $\mathbf{w}_{i,t}$  are the covariates used to model the treatment, and both include time-lagged and change variables as discussed above. The error terms  $\epsilon_{i,t}$  and  $\mu_{i,t}$  are from the bivariate normal distribution with mean zero and covariance matrix

$$\begin{bmatrix} \sigma^2 & \rho\sigma \\ \rho\sigma & 1 \end{bmatrix}.$$