

Appendix

Table A1: Summary Statistics

Variable	Obs	Mean	Std. Dev.	Min	Max
<i>Accident frequency</i>	7,930	0.70	2.81	0	71
<i>Damage per accident</i>	7,930	603.76	20567.19	0	1660068
<i>Affected per accident</i>	7,930	257.82	6960.11	0	495000
<i>Accident occurrence</i>	7,930	0.23	0.42	0	1
<i>Ongoing sanctions</i>	6,889	0.22	0.41	0	1
<i>Democracy</i>	6,847	0.31	0.46	0	1
<i>Trade openness</i>	6,631	3.97	15.51	0	316.62
<i>MID</i>	6,900	0.36	0.48	0	1
<i>GDP</i>	6,633	7.39	1.32	3.87	10.67
<i>Population</i>	6,633	8.94	1.52	4.81	14.06
<i>Civil war</i>	6,900	0.09	0.28	0	1
<i>Multilateral sanctions</i>	6,900	0.02	0.13	0	1
<i>Target costs</i>	6,900	0.08	0.35	0	3
<i>Sanction duration</i>	7,930	1.27	4.02	0	42

Table A2: Sanctions and Technological Accident Likelihood (with *GDP per capita***GDP growth*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV=	<i>Accident frequency</i>			<i>Accident occurrence</i>		
	All	Democracies	Non-democracies	All	Democracies	Non-democracies
<i>Ongoing sanctions</i>	-0.28** (0.05)	-0.26** (0.07)	-0.19** (0.08)	-0.27** (0.11)	-0.07 (0.17)	-0.47** (0.17)
<i>Democracy</i>	0.11 (0.08)			0.28* (0.16)		
<i>Trade openness</i>	-0.20** (0.02)	-0.18** (0.04)	-0.13** (0.04)	-0.11** (0.04)	-0.11 (0.07)	-0.08 (0.05)
<i>MID</i>	-0.04 (0.05)	0.13* (0.08)	-0.17** (0.07)	0.02 (0.10)	0.37** (0.16)	-0.23* (0.12)
<i>GDP</i>	1.28 (1.35)	-0.15 (9.70)	0.23 (1.23)	-1.29 (1.16)	-16.81 (16.01)	-1.01 (1.19)
<i>Population</i>	-0.78 (1.35)	0.39 (9.71)	0.38 (1.24)	4.90** (1.21)	20.24 (16.19)	4.98** (1.25)
<i>Civil war</i>	0.41** (0.07)	0.50** (0.13)	0.45** (0.09)	0.40** (0.16)	0.33 (0.47)	0.41** (0.18)
<i>GDPpc*GDP growth</i>	1.21** (0.27)	1.91** (0.81)	0.73** (0.31)	1.10** (0.42)	2.48* (1.44)	1.20** (0.46)
<i>GDPpc</i>	-0.13 (1.36)	1.04 (9.72)	1.23 (1.24)	2.04* (1.17)	17.42 (16.04)	1.76 (1.22)
<i>GDP growth</i>	-10.22** (2.84)	-15.15 (10.73)	-5.44* (2.92)	-7.32** (3.48)	-5.28 (18.69)	-8.17** (3.81)
Constant	-12.82** (0.63)	-8.05** (1.33)	-15.93** (0.84)			
<i>N</i>	6,011	1,882	3,973	6,002	1,856	3,964

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects negative binomial and logit models. Independent variables lagged appropriately.

Table A3: Sanctions and Natural Disaster Likelihood (Robustness check: natural disasters are random in occurrence; hence, there should be no relationship between sanctions and disaster occurrence)

DV=	Model 1	Model 2
	<i>Disaster frequency</i>	<i>Disaster occurrence</i>
<i>Ongoing sanctions</i>	-0.02 (0.03)	0.04 (0.10)
<i>Democracy</i>	0.12** (0.04)	0.28** (0.14)
<i>Trade openness</i>	-0.00 (0.01)	0.01** (0.01)
<i>MID</i>	-0.03 (0.03)	-0.04 (0.08)
<i>GDP</i>	0.64** (0.02)	0.80** (0.07)
<i>Population</i>	-0.66** (0.05)	1.42** (0.27)
<i>Civil war</i>	0.22** (0.04)	0.19 (0.14)
Constant	-1.86** (0.45)	
<i>N</i>	3,045	3,045

*Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.*

Fixed-effects negative binomial and logit models. Independent variables lagged appropriately.

Table A4: Sanction Threats and Accident Likelihood (Robustness check: sanction threats do not generate economic losses; hence, there should be no relationship between sanction threats and accident occurrence)

DV=	Model 1	Model 2
	<i>Accident frequency</i>	<i>Accident occurrence</i>
<i>Sanction threat</i>	0.04 (0.05)	0.13 (0.11)
<i>Democracy</i>	0.14* (0.08)	0.28* (0.15)
<i>Trade openness</i>	-0.21** (0.02)	-0.12** (0.04)
<i>MID</i>	-0.05 (0.05)	0.03 (0.09)
<i>GDP</i>	1.20** (0.04)	0.79** (0.10)
<i>Population</i>	-0.77** (0.08)	2.75** (0.38)
<i>Civil war</i>	0.42** (0.07)	0.41** (0.16)
Constant	-12.56** (0.58)	
<i>N</i>	6,165	6,155

*Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.*

Fixed-effects negative binomial and logit models. Independent variables lagged appropriately.

Table A5: Sanctions and Accident-Related Costs (OLS Estimates)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV=	<i>Damage per accident</i>			<i>Affected per accident</i>		
	All	Democracies	Non-democracies	All	Democracies	Non-democracies
<i>Ongoing sanctions</i>	395.32** (186.14)	422.22 (448.05)	367.92** (167.05)	406.29* (233.14)	89.32 (179.87)	553.83* (318.50)
<i>Democracy</i>	-72.53 (176.42)			-50.99 (220.97)		
<i>Trade openness</i>	1.04 (4.75)	-0.34 (7.46)	2.55 (9.73)	-2.19 (5.95)	1.35 (3.00)	-11.73 (19.71)
<i>MID</i>	123.12 (158.30)	456.18 (414.85)	-36.78 (136.70)	-207.46 (198.28)	125.01 (166.54)	-376.20 (277.00)
<i>GDP</i>	241.62** (62.62)	437.62** (157.34)	136.27** (55.48)	64.76 (78.44)	40.02 (63.16)	52.87 (112.42)
<i>Population</i>	-62.65 (78.84)	-292.13 (208.51)	41.43 (68.49)	-51.82 (98.75)	103.82 (83.70)	-111.35 (138.79)
<i>Civil war</i>	-200.93 (262.83)	-539.39 (1005.35)	-95.87 (205.58)	1051.00** (329.20)	-20.95 (403.59)	1263.57** (416.58)
Constant	-3172.79** (652.66)	-4672.42** (1695.37)	-2378.16** (596.96)	-415.20 (817.49)	-1482.42** (680.58)	335.44 (1209.65)
<i>N</i>	6,482	2,048	4,434	6,482	2,048	4,434

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

OLS models. Independent variables lagged appropriately.

Table A6: Sanctions and Accident-Related Costs (*Target Costs* Replaced with *Expected Target Costs*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV=	<i>Damage per accident</i>			<i>Affected per accident</i>		
	All	Democracies	Non-democracies	All	Democracies	Non-democracies
<i>Ongoing sanctions</i>	588.12** (249.91)	627.23 (613.08)	623.10** (230.31)	462.26 (314.44)	-105.96 (246.12)	824.92* (474.31)
<i>Democracy</i>	-420.82 (290.60)	0.00	0.00	-431.21 (365.64)	0.00	0.00
<i>Trade openness</i>	2.18 (8.74)			-1.88 (11.00)		
<i>MID</i>	152.61 (180.00)	179.92 (500.34)	123.76 (153.97)	-97.53 (226.48)	37.25 (200.86)	-176.44 (317.10)
<i>GDP</i>	605.82** (139.53)	1013.22** (354.69)	233.87 (151.23)	203.01 (175.56)	221.66 (142.39)	238.79 (311.45)
<i>Population</i>	-1431.62** (499.77)	-3262.15* (1919.12)	-274.26 (482.31)	-455.58 (628.81)	-697.28 (770.42)	-405.13 (993.29)
<i>Civil war</i>	-184.06 (307.40)	-777.41 (1277.30)	-123.96 (244.95)	1054.14** (386.78)	150.62 (512.76)	1206.71** (504.45)
<i>Multilateral sanctions</i>	-689.10 (632.41)	-336.78 (1397.93)	-1193.01* (609.96)	-458.98 (795.71)	-723.62 (561.19)	-13.97 (1256.16)
<i>Expected target costs</i>	412.37 (293.02)	-282.04 (657.10)	914.01** (279.03)	125.99 (368.68)	552.53** (263.79)	-240.45 (574.65)
<i>Sanction duration</i>	-10.46 (25.54)	18.66 (70.93)	0.22 (22.03)	12.60 (32.13)	41.95 (28.47)	-3.66 (45.37)
Constant	3186.58 (2761.25)	12568.35 (12997.32)	-1256.17 (2342.75)	987.68 (3474.22)	2684.16 (5217.70)	-130.54 (4824.73)
<i>N</i>	6,482	2,048	4,434	6,482	2,048	4,434

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects linear models. Independent variables lagged appropriately.

Table A7: Sanctions and Accident-Related Costs (*Target Costs* Replaced with *Target Cost Dummies*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV=	<i>Damage per accident</i>			<i>Affected per accident</i>		
	All	Democracies	Non-democracies	All	Democracies	Non-democracies
<i>Ongoing sanctions</i>	585.24** (250.45)	664.83 (616.21)	628.32** (230.20)	478.95 (315.08)	-44.40 (246.43)	822.14* (474.31)
<i>Democracy</i>	-428.29 (290.62)			-433.30 (365.61)		
<i>Trade openness</i>	2.08 (8.75)	-3.42 (15.37)	3.69 (11.41)	-1.98 (11.00)	-1.59 (6.15)	-4.62 (23.51)
<i>MID</i>	154.57 (180.20)	184.84 (500.45)	116.72 (154.09)	-97.85 (226.69)	53.41 (200.14)	-170.15 (317.49)
<i>GDP</i>	603.19** (141.39)	1060.91** (359.83)	202.04 (152.17)	229.40 (177.87)	282.95** (143.90)	242.60 (313.54)
<i>Population</i>	-1418.05** (502.59)	-3376.05* (1924.16)	-192.09 (483.76)	-516.33 (632.27)	-799.50 (769.50)	-417.69 (996.75)
<i>Civil war</i>	-192.92 (307.52)	-741.58 (1278.78)	-146.53 (244.97)	1056.81** (386.86)	217.99 (511.40)	1216.54** (504.73)
<i>Multilateral sanctions</i>	-577.56 (661.06)	-82.77 (1460.38)	-1136.01* (634.96)	-210.91 (831.62)	-366.36 (584.03)	174.86 (1308.27)
<i>Minor target costs</i>	343.75 (370.44)	-693.77 (744.01)	1498.61** (392.55)	-308.01 (466.03)	-281.32 (297.54)	-356.20 (808.81)
<i>Major target costs</i>	284.61 (746.43)	-437.86 (1810.88)	845.63 (672.59)	-333.58 (939.02)	-286.63 (724.20)	-578.66 (1385.81)
<i>Severe target costs</i>	216.31 (1245.14)	18.38 (4240.35)	504.04 (998.44)	856.99 (1566.42)	7330.32** (1695.78)	-801.97 (2057.19)
<i>Sanction duration</i>	-10.82 (25.56)	18.60 (70.99)	-1.79 (22.03)	13.07 (32.15)	42.60 (28.39)	-3.06 (45.39)
Constant	3110.56 (2764.19)	12809.64 (13009.39)	-1494.33 (2343.80)	1115.73 (3477.42)	2583.22 (5202.65)	-74.54 (4829.19)
<i>N</i>	6,482	2,048	4,434	6,482	2,048	4,434

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects linear models. Independent variables lagged appropriately.

Table A8: Sanctions and Labor Rights

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV=	<i>Labor Rights Law</i>			<i>Labor Rights Practice</i>		
	All targets	Democratic targets	Non-dem targets	All targets	Democratic targets	Non-dem targets
<i>Ongoing sanctions</i>	-0.13 (0.21)	-0.23 (0.19)	0.51 (0.36)	-0.85** (0.20)	0.27 (0.23)	-1.69** (0.30)
<i>Democracy</i>	1.05** (0.28)			1.30** (0.27)		
<i>Trade openness</i>	-0.01 (0.01)	-0.00 (0.01)	-0.03 (0.01)	-0.02** (0.01)	-0.01 (0.01)	-0.04** (0.01)
<i>MID</i>	0.11 (0.16)	0.04 (0.17)	0.15 (0.24)	-0.16 (0.15)	0.08 (0.21)	-0.31 (0.20)
<i>GDP</i>	-1.24** (0.34)	-0.34 (0.42)	-1.19* (0.49)	-1.56** (0.32)	-1.56** (0.53)	-1.53** (0.42)
<i>Population</i>	-5.00** (0.94)	-12.11** (1.75)	-3.98** (1.25)	-5.33** (0.89)	-6.83** (2.18)	-5.73** (1.07)
<i>Civil war</i>	0.35 (0.29)	1.20* (0.51)	0.14 (0.37)	-1.51** (0.27)	-1.60* (0.64)	-1.16** (0.32)
Constant	89.46** (5.63)	143.01** (11.01)	77.37** (7.21)	97.71** (5.30)	114.61** (13.76)	99.71** (6.15)
<i>N</i>	2,521	962	1,559	2,521	962	1,559

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects linear models. Independent variables lagged appropriately.

Table A9: Sanctions and Technological Accident Likelihood (Controlling for *Polyarchy*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Accident frequency</i>			<i>Accident occurrence</i>		
	All targets	Polyarchy=1	Polyarchy=0	All targets	Polyarchy=1	Polyarchy=0
<i>Ongoing sanctions</i>	-0.29** (0.05)	-0.22** (0.08)	-0.21** (0.07)	-0.27* (0.11)	-0.01 (0.18)	-0.37* (0.15)
<i>Polyarchy</i>	0.16 (0.10)			0.07 (0.18)		
<i>Trade openness</i>	-0.20** (0.02)	-0.20** (0.04)	-0.15** (0.03)	-0.10** (0.04)	-0.19** (0.07)	-0.05 (0.05)
<i>MID</i>	-0.05 (0.05)	0.10 (0.09)	-0.14* (0.06)	0.01 (0.10)	0.25 (0.17)	-0.14 (0.12)
<i>GDP</i>	1.24** (0.04)	0.98** (0.07)	1.48** (0.05)	0.80** (0.10)	0.94** (0.20)	0.81** (0.13)
<i>Population</i>	-0.74** (0.08)	-0.87** (0.16)	-0.92** (0.11)	3.01** (0.39)	1.33 (1.12)	3.17** (0.47)
<i>Civil war</i>	0.45** (0.07)	0.83** (0.22)	0.49** (0.08)	0.47** (0.16)	0.72 (0.77)	0.49** (0.17)
Constant	-13.54** (0.60)	-7.32** (1.52)	-15.56** (0.72)			
<i>N</i>	6,153	1,478	4,472	6,143	1,471	4,462

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects negative binomial and logit models. Independent variables lagged appropriately.

Table A10: Sanctions and Accident-Related Costs (Controlling for *Polyarchy*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Damage per accident</i>			<i>Affected per accident</i>		
	All targets	Polyarchy=1	Polyarchy=0	All targets	Polyarchy=1	Polyarchy=0
<i>Ongoing sanctions</i>	532.30*	932.15	447.54*	521.48*	114.19	735.01*
	(210.60)	(662.47)	(176.79)	(264.69)	(254.86)	(362.85)
<i>Polyarchy</i>	91.61			-52.18		
	(345.58)			(434.32)		
<i>Trade openness</i>	2.22	-3.46	3.30	-1.85	-1.35	-4.24
	(8.71)	(17.26)	(10.90)	(10.95)	(6.64)	(22.36)
<i>MID</i>	147.52	202.92	113.32	-95.92	147.76	-188.04
	(178.72)	(614.10)	(141.68)	(224.62)	(236.25)	(290.80)
<i>GDP</i>	569.05**	1060.82*	173.60	179.82	228.31	170.63
	(139.55)	(433.18)	(133.63)	(175.39)	(166.65)	(274.28)
<i>Population</i>	-1403.9**	-3789.85	-184.59	-423.87	-411.71	-412.78
	(495.55)	(2681.15)	(435.19)	(622.81)	(1031.48)	(893.22)
<i>Civil war</i>	-146.24	-1451.81	-118.10	1042.50**	223.60	1086.53*
	(305.22)	(2467.28)	(219.17)	(383.61)	(949.20)	(449.85)
Constant	3383.23	16299.24	-1061.48	959.90	-89.00	1021.11
	(2720.05)	(18926.54)	(2124.29)	(3418.58)	(7281.34)	(4360.08)
<i>N</i>	6,523	1,617	4,906	6,523	1,617	4,906

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects linear models. Independent variables lagged appropriately.

Table A11: Sanctions and Technological Accident Likelihood (Controlling for *Vertical Accountability*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Accident frequency</i>			<i>Accident occurrence</i>		
	All targets	V.Acc.=1	V.Acc.=0	All targets	V.Acc.=1	V.Acc.=0
<i>Ongoing sanctions</i>	-0.29** (0.05)	-0.24** (0.08)	-0.19** (0.07)	-0.26* (0.11)	-0.07 (0.18)	-0.34* (0.15)
<i>V.Accountability</i>	0.14 (0.09)			0.15 (0.19)		
<i>Trade openness</i>	-0.20** (0.02)	-0.20** (0.04)	-0.15** (0.03)	-0.10** (0.04)	-0.18* (0.07)	-0.06 (0.05)
<i>MID</i>	-0.05 (0.05)	0.10 (0.09)	-0.15* (0.06)	0.01 (0.10)	0.27 (0.17)	-0.14 (0.12)
<i>GDP</i>	1.25** (0.04)	0.99** (0.07)	1.49** (0.06)	0.79** (0.10)	0.97** (0.20)	0.81** (0.13)
<i>Population</i>	-0.75** (0.08)	-0.87** (0.17)	-0.96** (0.11)	2.99** (0.38)	1.29 (1.15)	3.09** (0.46)
<i>Civil war</i>	0.45** (0.07)	0.88** (0.18)	0.49** (0.08)	0.47** (0.15)	1.58* (0.76)	0.45** (0.16)
Constant	-13.48** (0.60)	-7.49** (1.58)	-15.33** (0.72)			
<i>N</i>	6,171	1,540	4,505	6,161	1,525	4,495

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects negative binomial and logit models. Independent variables lagged appropriately.

Table A12: Sanctions and Accident-Related Costs (Controlling for *Vertical Accountability*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Damage per accident</i>			<i>Affected per accident</i>		
	All targets	V.Acc.=1	V.Acc.=0	All targets	V.Acc.=1	V.Acc.=0
<i>Ongoing sanctions</i>	529.46*	888.46	556.41**	521.61*	109.42	750.05*
	(210.29)	(643.34)	(177.78)	(264.53)	(247.83)	(365.41)
<i>V.Accountability</i>	-270.49			-48.41		
	(359.23)			(451.90)		
<i>Trade openness</i>	2.10	-3.13	4.80	-1.89	-1.39	-4.40
	(8.70)	(17.13)	(10.88)	(10.95)	(6.60)	(22.37)
<i>MID</i>	147.47	286.43	88.34	-101.42	154.76	-197.05
	(178.13)	(611.64)	(140.89)	(224.08)	(235.61)	(289.59)
<i>GDP</i>	603.80**	1032.87*	258.77	179.90	239.28	177.39
	(139.02)	(429.48)	(132.48)	(174.88)	(165.44)	(272.31)
<i>Population</i>	-1461.29**	-3495.60	-366.93	-426.77	-577.00	-426.83
	(495.02)	(2632.10)	(430.42)	(622.71)	(1013.93)	(884.69)
<i>Civil war</i>	-145.69	-1144.13	-72.19	1057.16**	339.67	1133.59*
	(301.87)	(2028.02)	(218.45)	(379.74)	(781.23)	(449.01)
<i>Constant</i>	3422.77	14161.24	-807.53	986.77	1239.44	1037.13
	(2714.70)	(18504.03)	(2096.02)	(3414.96)	(7128.05)	(4308.20)
<i>N</i>	6,541	1,635	4,906	6,541	1,635	4,906

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects linear models. Independent variables lagged appropriately.

Table A13: Models of Accident Occurrence and Losses (*Democracy* Interacted with *Ongoing sanctions*)

DV=	Model 1 <i>Number</i> (neg.binom.)	Model 2 <i>Occurrence</i> (logit)	Model 3 <i>Damage</i> (linear)	Model 4 <i>Affected</i> (linear)
<i>Democracy</i>	0.19 (0.19)	0.21 (0.17)	-410.15 (306.37)	-277.55 (385.36)
<i>Ongoing sanctions</i>	-0.17* (0.08)	-0.41** (0.16)	557.50* (268.77)	789.68* (338.07)
<i>Democracy*Ongoing sanctions</i>	-0.19* (0.09)	0.26 (0.22)	-35.30 (430.20)	-685.16 (541.12)
<i>Trade openness</i>	-0.21** (0.02)	-0.11** (0.04)	2.07 (8.74)	-2.14 (10.99)
<i>MID</i>	-0.05 (0.05)	0.03 (0.10)	157.57 (179.77)	-101.69 (226.12)
<i>GDP</i>	1.25** (0.04)	0.79** (0.10)	624.04** (139.49)	238.83 (175.46)
<i>Population</i>	-0.77** (0.08)	2.91** (0.39)	-1484.12** (499.91)	-544.45 (628.82)
<i>Civil war</i>	0.44** (0.07)	0.44** (0.16)	-189.69 (306.73)	1035.89** (385.81)
Constant	-13.47** (0.61)		3359.55 (2741.76)	1158.26 (3448.72)
<i>N</i>	6,085	6,075	6,488	6,488

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.
Fixed-effects models. Independent variables lagged appropriately.

Table A14: Models of Accident Frequency (Interaction between *GDP per capita* and *GDP growth rate*)

	Model 1	Model 2	Model 3	Model 4
	Original model	Robustness check (all)	Robustness check(dem)	Robustness check (non-dem)
<i>Ongoing sanctions</i>	-0.29** (0.05)	-0.26** (0.05)	-0.26** (0.07)	-0.19* (0.09)
<i>Democracy</i>	0.11 (0.07)	0.01 (0.08)		
<i>Trade openness</i>	-0.21** (0.02)	-0.12** (0.03)	-0.14** (0.04)	-0.08 (0.04)
<i>MID</i>	-0.04 (0.05)	-0.07 (0.05)	0.10 (0.07)	-0.22** (0.08)
<i>GDP</i>	1.25** (0.04)	1.43** (0.06)	1.28** (0.10)	1.59** (0.08)
<i>Population</i>	-0.76** (0.08)	-1.01** (0.10)	-0.97** (0.16)	-1.07** (0.14)
<i>Civil war</i>	0.43** (0.07)	0.38** (0.07)	0.35** (0.13)	0.47** (0.10)
<i>GDPpc</i>		-0.00** (0.00)	-0.00** (0.00)	-0.00* (0.00)
<i>GDP growth</i>		-1.32** (0.39)	-0.59 (0.94)	-1.52** (0.45)
<i>GDPpc*GDP growth</i>		0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Constant	-13.40** (0.60)	-13.89** (0.67)	-11.74** (1.27)	-15.78** (0.91)
<i>N</i>	6,085	4,394	1,731	2,551

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects negative binomial models. Independent variables lagged appropriately.

Table A15: Sanctions and Technological Accident Likelihood (Robustness Check with Regulatory Control)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Accident frequency</i>			<i>Accident occurrence</i>		
	All targets	Democratic targets	Non-dem targets	All targets	Democratic targets	Non-dem targets
<i>Ongoing sanctions</i>	-0.28** (0.05)	-0.28** (0.07)	-0.21* (0.08)	-0.30** (0.11)	-0.08 (0.17)	-0.52** (0.17)
<i>Regulatory quality</i>	-0.01 (0.12)	0.09 (0.23)	-0.07 (0.16)	-0.68 (0.41)	-0.78 (0.69)	-0.65 (0.53)
Democracy	0.15 (0.08)			0.26 (0.16)		
<i>Trade openness</i>	-0.21** (0.02)	-0.19** (0.04)	-0.13** (0.04)	-0.11** (0.04)	-0.12 (0.07)	-0.07 (0.05)
<i>MID</i>	-0.05 (0.05)	0.11 (0.08)	-0.18** (0.07)	-0.00 (0.10)	0.35* (0.16)	-0.25* (0.13)
<i>GDP</i>	1.26** (0.04)	1.01** (0.06)	1.57** (0.06)	0.80** (0.10)	0.76** (0.19)	0.84** (0.16)
<i>Population</i>	-0.78** (0.08)	-0.79** (0.14)	-0.97** (0.13)	2.93** (0.40)	2.46** (0.93)	3.21** (0.54)
<i>Civil war</i>	0.44** (0.07)	0.54** (0.13)	0.47** (0.09)	0.44** (0.16)	0.32 (0.46)	0.46** (0.18)
Constant	-13.39** (0.61)	-8.80** (1.24)	-16.64** (0.84)			
<i>N</i>	5,900	1,855	3,885	5,890	1,829	3,875

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects negative binomial and logit models. Independent variables lagged appropriately.

Table A16: Sanctions and Accident-Related Costs (Robustness Check with *Regulatory Control*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Damage per accident</i>			<i>Affected per accident</i>		
	All targets	Democratic targets	Non-dem targets	All targets	Democratic targets	Non-dem targets
<i>Ongoing sanctions</i>	562.53*	723.06	644.12**	540.32†	110.81	820.95†
	(220.24)	(557.36)	(204.16)	(277.16)	(223.36)	(419.99)
<i>Regulatory quality</i>	-874.09	-629.70	-919.14	-1237.41	-3818.53**	216.67
	(987.45)	(2434.14)	(899.40)	(1242.66)	(975.46)	(1850.24)
<i>Democracy</i>	-400.30			-422.12		
	(298.26)			(375.35)		
<i>Trade openness</i>	2.10	-2.98	5.42	-2.10	-1.52	-4.42
	(8.91)	(15.51)	(11.76)	(11.22)	(6.22)	(24.20)
<i>MID</i>	146.87	168.10	123.60	-98.35	93.61	-188.46
	(187.56)	(512.37)	(161.45)	(236.04)	(205.33)	(332.14)
<i>GDP</i>	666.03**	1009.99**	325.46*	227.75	238.59	256.01
	(145.94)	(361.52)	(162.19)	(183.67)	(144.88)	(333.66)
<i>Population</i>	-1587.81**	-3276.57	-483.31	-494.56	-586.20	-466.88
	(517.74)	(1951.48)	(511.94)	(651.56)	(782.04)	(1053.16)
<i>Civil war</i>	-204.69	-782.33	-144.18	1061.22**	131.89	1244.55*
	(316.91)	(1287.45)	(254.52)	(398.82)	(515.93)	(523.59)
<i>Constant</i>	3548.23	13180.66	-1240.75	878.30	4405.87	226.01
	(2810.90)	(13165.60)	(2455.66)	(3537.41)	(5275.97)	(5051.75)
<i>N</i>	6,251	2,003	4,248	6,251	2,003	4,248

Note: Standard errors in parentheses. † $p < 0.1$, * $p < 0.05$, ** $p < 0.01$.

Fixed-effects linear models. Independent variables lagged appropriately.

Table A17: Sanctions and Technological Accident Likelihood (Controlling for *Government Media Censorship*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Accident frequency</i>			<i>Accident occurrence</i>		
	All targets	Democratic targets	Non-dem targets	All targets	Democratic targets	Non-dem targets
<i>Ongoing sanctions</i>	-0.28** (0.05)	-0.28** (0.07)	-0.20* (0.08)	-0.26* (0.11)	-0.09 (0.17)	-0.44** (0.17)
<i>Media censorship</i>	0.10** (0.03)	-0.01 (0.07)	0.13** (0.04)	0.16** (0.06)	0.03 (0.16)	0.22** (0.07)
<i>Democracy</i>	-0.06 (0.10)			-0.01 (0.19)		
<i>Trade openness</i>	-0.20** (0.02)	-0.18** (0.04)	-0.12** (0.04)	-0.11** (0.04)	-0.12 (0.07)	-0.08 (0.05)
<i>MID</i>	-0.04 (0.05)	0.13 (0.08)	-0.15* (0.07)	0.03 (0.10)	0.36* (0.16)	-0.20 (0.12)
<i>GDP</i>	1.22** (0.04)	1.01** (0.06)	1.50** (0.06)	0.77** (0.10)	0.77** (0.19)	0.84** (0.15)
<i>Population</i>	-0.73** (0.08)	-0.80** (0.14)	-0.91** (0.13)	2.83** (0.39)	2.35* (0.92)	2.93** (0.52)
<i>Civil war</i>	0.45** (0.07)	0.54** (0.13)	0.46** (0.09)	0.46** (0.16)	0.34 (0.46)	0.50** (0.18)
Constant	-13.08** (0.61)	-8.72** (1.20)	-16.00** (0.84)			
<i>N</i>	6,085	1,902	4,023	6,075	1,876	4,013

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects negative binomial and logit models. Independent variables lagged appropriately.

Table A18: Sanctions and Accident-Related Costs (Controlling for *Government Media Censorship*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Damage per accident</i>			<i>Affected per accident</i>		
	All targets	Democratic targets	Non-dem targets	All targets	Democratic targets	Non-dem targets
<i>Ongoing sanctions</i>	597.52** (214.51)	730.61 (545.51)	682.39** (198.71)	541.12* (269.94)	62.65 (219.40)	828.01* (408.82)
<i>Media censorship</i>	191.58* (93.84)	284.32 (461.07)	124.94 (77.98)	44.96 (118.09)	-45.77 (185.44)	85.27 (160.44)
<i>Democracy</i>	-789.68* (341.95)			-523.66 (430.31)		
<i>Trade openness</i>	1.63 (8.74)	-2.62 (15.35)	4.06 (11.42)	-2.10 (10.99)	-1.37 (6.17)	-5.27 (23.50)
<i>MID</i>	165.18 (179.70)	199.61 (497.64)	135.67 (153.92)	-93.85 (226.14)	77.30 (200.15)	-172.13 (316.67)
<i>GDP</i>	583.48** (139.72)	920.34* (377.70)	286.41 (149.45)	202.43 (175.83)	263.42 (151.91)	227.99 (307.48)
<i>Population</i>	-1434.54** (497.13)	-3162.63 (1920.28)	-429.12 (480.83)	-445.24 (625.59)	-696.76 (772.33)	-417.77 (989.26)
<i>Civil war</i>	-175.41 (306.66)	-684.49 (1281.23)	-129.63 (244.52)	1046.75** (385.91)	151.22 (515.31)	1202.89* (503.08)
Constant	3704.06 (2739.93)	12745.86 (12946.19)	-593.80 (2346.46)	939.61 (3447.95)	2071.26 (5206.93)	217.97 (4827.63)
<i>N</i>	6,488	2,050	4,438	6,488	2,050	4,438

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects linear models. Independent variables lagged appropriately.

Table A19: Sanctions and Likelihood of Technical Disasters (Controlling for *Freedom of Expression*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Accident frequency</i>			<i>Accident occurrence</i>		
	All targets	Democratic targets	Non-dem targets	All targets	Democratic targets	Non-dem targets
<i>Ongoing sanctions</i>	-0.27** (0.05)	-0.27** (0.07)	-0.20* (0.08)	-0.26* (0.11)	-0.07 (0.17)	-0.45** (0.17)
<i>Freedom of expression</i>	0.84** (0.16)	0.63 (0.50)	0.87** (0.17)	0.95** (0.29)	1.11 (1.08)	1.05** (0.34)
<i>Democracy</i>	-0.21* (0.10)			-0.10 (0.19)		
<i>Trade openness</i>	-0.20** (0.02)	-0.19** (0.04)	-0.12** (0.04)	-0.11** (0.04)	-0.13 (0.07)	-0.08 (0.05)
<i>MID</i>	-0.04 (0.05)	0.13 (0.08)	-0.16* (0.07)	0.04 (0.10)	0.37* (0.16)	-0.20 (0.12)
<i>GDP</i>	1.20** (0.04)	0.99** (0.06)	1.48** (0.06)	0.78** (0.10)	0.76** (0.19)	0.83** (0.15)
<i>Population</i>	-0.72** (0.08)	-0.80** (0.14)	-0.87** (0.13)	2.74** (0.39)	2.32* (0.92)	2.93** (0.52)
<i>Civil war</i>	0.46** (0.07)	0.58** (0.13)	0.45** (0.09)	0.49** (0.16)	0.41 (0.47)	0.51** (0.18)
Constant	-13.23** (0.61)	-8.87** (1.23)	-16.35** (0.84)			
<i>N</i>	6,085	1,902	4,023	6,075	1,876	4,013

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects negative binomial and logit models. Independent variables lagged appropriately.

Table A20: Sanctions and Accident-Related Costs (Controlling for *Freedom of Expression*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Damage per accident</i>			<i>Affected per accident</i>		
	All targets	Democratic targets	Non-dem targets	All targets	Democratic targets	Non-dem targets
<i>Ongoing sanctions</i>	586.32** (214.58)	659.37 (545.30)	686.81** (198.78)	502.17† (269.99)	62.57 (219.32)	773.98† (409.00)
<i>Freedom of expression</i>	794.85 (499.49)	-1991.22 (3253.59)	696.38 (400.84)	-496.37 (628.46)	-339.56 (1308.59)	-466.37 (824.73)
<i>Democracy</i>	-743.35* (354.37)			-233.54 (445.87)		
<i>Trade openness</i>	1.76 (8.74)	-3.21 (15.35)	3.86 (11.42)	-1.79 (10.99)	-1.36 (6.17)	-4.15 (23.50)
<i>MID</i>	161.11 (179.70)	179.88 (497.58)	132.44 (153.81)	-97.57 (226.10)	77.41 (200.13)	-185.67 (316.47)
<i>GDP</i>	600.43** (139.12)	1054.30** (362.86)	280.31 (149.41)	225.49 (175.04)	258.84 (145.94)	225.35 (307.41)
<i>Population</i>	-1497.07** (496.83)	-3221.51 (1914.82)	-444.42 (481.27)	-444.87 (625.11)	-674.54 (770.14)	-334.38 (990.23)
<i>Civil war</i>	-174.25 (306.77)	-914.06 (1293.80)	-122.10 (244.55)	1034.10** (385.98)	141.46 (520.36)	1196.51* (503.17)
Constant	3563.62 (2738.08)	13208.39 (12971.75)	-704.64 (2335.98)	717.89 (3445.04)	2162.32 (5217.20)	-396.85 (4806.31)
<i>N</i>	6,488	2,050	4,438	6,488	2,050	4,438

Note: Standard errors in parentheses. † $p < 0.1$, * $p < 0.05$, ** $p < 0.01$.

Fixed-effects linear models. Independent variables lagged appropriately.

Table A21: Sanctions and Technological Accident Likelihood (Controlling for *Manufacturing Value Added*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Accident frequency</i>			<i>Accident occurrence</i>		
	All targets	Democratic targets	Non-dem targets	All targets	Democratic targets	Non-dem targets
<i>Ongoing sanctions</i>	-0.29** (0.06)	-0.36** (0.09)	-0.18† (0.09)	-0.54** (0.16)	-0.48† (0.26)	-0.62** (0.22)
<i>Manufacturing</i>	0.13 (0.12)	0.14 (0.26)	-0.02 (0.14)	0.18 (0.21)	0.31 (0.63)	0.13 (0.24)
<i>Democracy</i>	-0.06 (0.10)			0.08 (0.21)		
<i>Trade openness</i>	-0.14** (0.04)	-0.15 (0.08)	-0.12** (0.04)	0.01 (0.06)	0.19 (0.15)	-0.01 (0.07)
<i>MID</i>	-0.05 (0.06)	0.13 (0.10)	-0.12 (0.08)	0.07 (0.13)	0.44* (0.22)	-0.16 (0.16)
<i>GDP</i>	1.49** (0.07)	1.28** (0.11)	1.76** (0.11)	0.84** (0.19)	0.64 (0.42)	0.95** (0.26)
<i>Population</i>	-1.10** (0.13)	-1.07** (0.21)	-1.17** (0.19)	3.40** (0.66)	4.42* (1.74)	3.29** (0.81)
<i>Civil war</i>	0.31** (0.09)	0.44** (0.16)	0.29* (0.12)	0.40 (0.21)	-0.57 (0.63)	0.52* (0.24)
Constant	-14.23** (0.82)	-10.83** (1.90)	-17.65** (1.17)			
<i>N</i>	3,014	958	1,974	2,981	917	1,968

Note: Standard errors in parentheses. † $p < 0.1$, * $p < 0.05$, ** $p < 0.01$.

Fixed-effects negative binomial and logit models. Independent variables lagged appropriately.

Table A22: Sanctions and Accident-Related Costs (Controlling for *Manufacturing Value Added*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Damage per accident</i>			<i>Affected per accident</i>		
	All targets	Democratic targets	Non-dem targets	All targets	Democratic targets	Non-dem targets
<i>Ongoing sanctions</i>	652.08*	-122.51	1215.75**	1119.08*	-224.73	1892.24*
	(289.64)	(489.76)	(390.69)	(503.39)	(365.62)	(780.85)
<i>Manufacturing</i>	-184.95	-821.18	-103.91	-96.54	1.13	-68.43
	(370.88)	(993.77)	(429.34)	(644.59)	(741.88)	(858.11)
<i>Democracy</i>	-369.97			-639.98		
	(366.98)			(637.81)		
<i>Trade openness</i>	11.35	9.33	84.84	1.44	1.08	27.34
	(21.11)	(20.79)	(94.83)	(36.69)	(15.52)	(189.54)
<i>MID</i>	483.08*	571.46	375.00	-211.24	76.26	-380.94
	(241.01)	(430.72)	(299.78)	(418.88)	(321.55)	(599.17)
<i>GDP</i>	587.43*	1188.50	359.02	-9.52	156.48	-19.20
	(283.27)	(628.91)	(403.65)	(492.32)	(469.50)	(806.75)
<i>Population</i>	-1178.36	-3462.66	-332.68	-330.28	-765.95	-51.15
	(940.08)	(2681.19)	(1216.94)	(1633.87)	(2001.59)	(2432.26)
<i>Civil war</i>	-447.04	-379.03	-449.95	1889.93**	190.51	2055.52*
	(407.10)	(969.85)	(473.52)	(707.54)	(724.02)	(946.41)
Constant	1464.74	13380.42	-2809.94	3588.99	4601.88	777.32
	(4629.27)	(15103.52)	(5551.48)	(8045.72)	(11275.28)	(11095.53)
<i>N</i>	3,210	1,047	2,163	3,210	1,047	2,163

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects linear models. Independent variables lagged appropriately.

Table A23: Sanctions and Technological Accident Likelihood (Controlling for *Industry Value Added*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Accident frequency</i>			<i>Accident occurrence</i>		
	All targets	Democratic targets	Non-dem targets	All targets	Democratic targets	Non-dem targets
Ongoing sanctions	-0.31** (0.06)	-0.33** (0.09)	-0.26** (0.09)	-0.57** (0.15)	-0.47† (0.26)	-0.64** (0.21)
Industry	0.01 (0.15)	0.31 (0.34)	-0.34 (0.19)	0.18 (0.30)	0.90 (0.77)	-0.07 (0.35)
Democracy	-0.05 (0.10)			0.11 (0.21)		
Trade openness	-0.13** (0.04)	-0.14 (0.08)	-0.09* (0.04)	0.02 (0.06)	0.19 (0.13)	-0.01 (0.07)
MID	-0.07 (0.06)	0.12 (0.10)	-0.17* (0.08)	0.04 (0.12)	0.43 (0.22)	-0.18 (0.16)
GDP	1.47** (0.06)	1.26** (0.11)	1.64** (0.09)	0.83** (0.18)	0.66 (0.39)	0.99** (0.24)
Population	-1.03** (0.11)	-1.08** (0.21)	-1.06** (0.15)	3.63** (0.62)	4.31** (1.66)	3.44** (0.75)
Civil war	0.36** (0.08)	0.43** (0.16)	0.41** (0.11)	0.39* (0.21)	-0.65 (0.64)	0.53* (0.23)
Constant	-14.48** (0.77)	-11.13** (1.99)	-15.99** (0.92)			
<i>N</i>	3,413	1,017	2,308	3,376	974	2,298

Note: Standard errors in parentheses. † $p < 0.1$, * $p < 0.05$, ** $p < 0.01$.

Fixed-effects negative binomial and logit models. Independent variables lagged appropriately.

Table A24: Sanctions and Accident-Related Costs (Controlling for *Industry Value Added*)

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
DV =	<i>Damage per accident</i>			<i>Affected per accident</i>		
	All targets	Democratic targets	Non-dem targets	All targets	Democratic targets	Non-dem targets
<i>Ongoing sanctions</i>	626.18*	-164.04	1134.01**	1032.75*	-231.23	1701.41*
	(265.46)	(474.27)	(346.15)	(460.41)	(353.96)	(689.96)
<i>Industry</i>	-418.51	-2065.62	-214.37	-352.14	-138.37	-438.02
	(433.33)	(1193.96)	(508.61)	(751.56)	(891.10)	(1013.77)
<i>Democracy</i>	-344.72			-636.92		
	(331.84)			(575.54)		
<i>Trade openness</i>	12.41	9.58	94.64	1.53	1.14	25.04
	(19.87)	(20.19)	(85.11)	(34.46)	(15.07)	(169.63)
<i>MID</i>	446.14*	513.56	361.30	-201.03	72.40	-327.27
	(215.81)	(413.82)	(260.20)	(374.29)	(308.85)	(518.64)
<i>GDP</i>	552.97*	1118.69*	315.38	50.30	129.04	94.79
	(247.58)	(554.31)	(334.10)	(429.39)	(413.70)	(665.93)
<i>Population</i>	-1065.65	-2946.40	-262.71	-276.69	-597.27	-139.92
	(815.35)	(2364.22)	(1017.53)	(1414.12)	(1764.51)	(2028.16)
<i>Civil war</i>	-353.41	-211.09	-357.39	1686.73**	202.33	1803.11*
	(366.81)	(943.38)	(416.00)	(636.19)	(704.08)	(829.18)
Constant	1896.66	14258.58	-2310.73	2989.42	3935.87	981.72
	(4099.56)	(13367.02)	(4846.27)	(7110.15)	(9976.33)	(9659.66)
<i>N</i>	3,607	1,106	2,501	3,607	1,106	2,501

Note: Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$.

Fixed-effects linear models. Independent variables lagged appropriately.

Table A25: Heckman Selection Models of Sanctions and Accident-Related Costs

	Model 1	Model 2	Model 3	Model 4
	Democratic targets	Non-dem targets	Democratic targets	Non-dem targets
Outcome DV=	<i>Damage per accident</i>		<i>Affected per accident</i>	
<i>Ongoing sanctions</i>	814.05 (1449.48)	1953.02† (1090.20)	-136.80 (597.00)	3964.35* (2011.64)
<i>Trade openness</i>	494.01 (722.28)	298.74 (374.97)	-128.28 (292.87)	124.71 (691.58)
<i>MID</i>	162.58 (1659.66)	1183.01 (859.10)	592.35 (677.73)	-440.76 (1585.18)
<i>GDP</i>	1877.36 (2567.10)	-96.65 (176.11)	1334.10 (1039.44)	-396.28 (324.93)
<i>Civil war</i>	-1685.41 (2975.00)	-70.28 (1273.44)	-15.46 (1235.81)	580.26 (2349.63)
<i>Media censorship</i>	272.03 (1515.59)	295.24 (462.95)	-329.65 (605.82)	-921.32 (853.55)
Selection DV=	<i>Accident occurrence</i>			
<i>Ongoing sanctions</i>	-0.05 (0.10)	-0.29** (0.09)	-0.05 (0.10)	-0.29** (0.09)
<i>Trade openness</i>	-0.06 (0.04)	-0.05 (0.03)	-0.06 (0.04)	-0.05 (0.03)
<i>MID</i>	0.23* (0.09)	-0.13 (0.07)	0.23* (0.09)	-0.13 (0.07)
<i>GDP</i>	0.44** (0.10)	0.45** (0.08)	0.44** (0.10)	0.45** (0.08)
<i>Civil war</i>	0.22 (0.27)	0.25* (0.10)	0.22 (0.27)	0.25* (0.10)
<i>Population</i>	1.44** (0.52)	1.71** (0.27)	1.44** (0.52)	1.71** (0.27)
lambda	-1460.806 (2396.234)	131.614 (811.811)	63.216 (958.554)	1434.057 (1497.096)
<i>N</i>	2,050	4,438	2,050	4,438

Note: Standard errors in parentheses. † $p < 0.1$, * $p < 0.05$, ** $p < 0.01$.

Heckman selection models with country fixed effects, two-step estimates. Independent variables lagged appropriately. Country fixed effects included but not reported to save space.