Figures, Tables, and Formulas based on sequences in the paper.

Figure 1: Cumulative Number of Countries with Laws and Number of Countries adopting Laws by year.
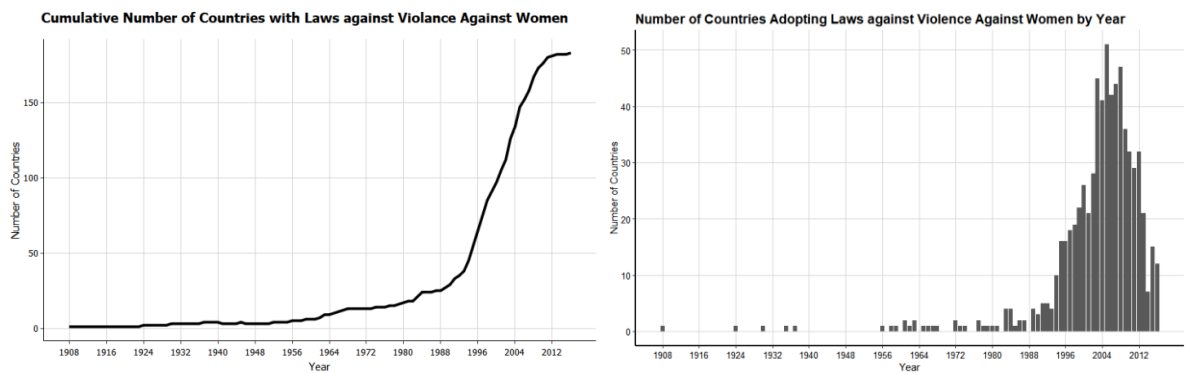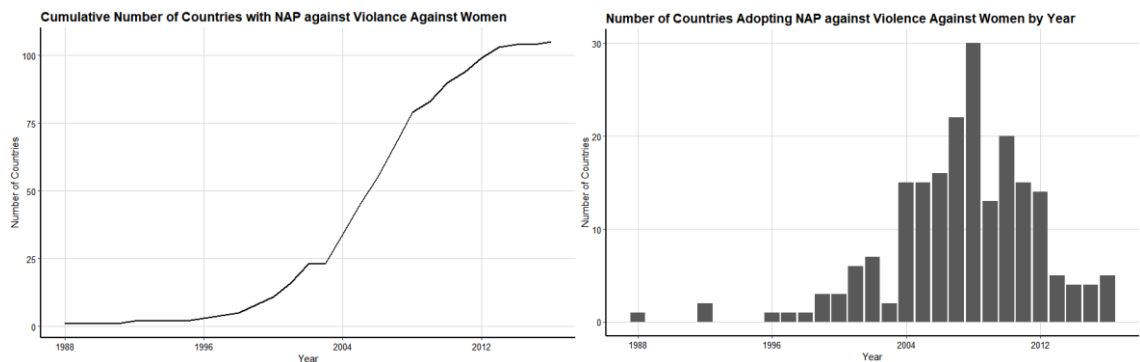

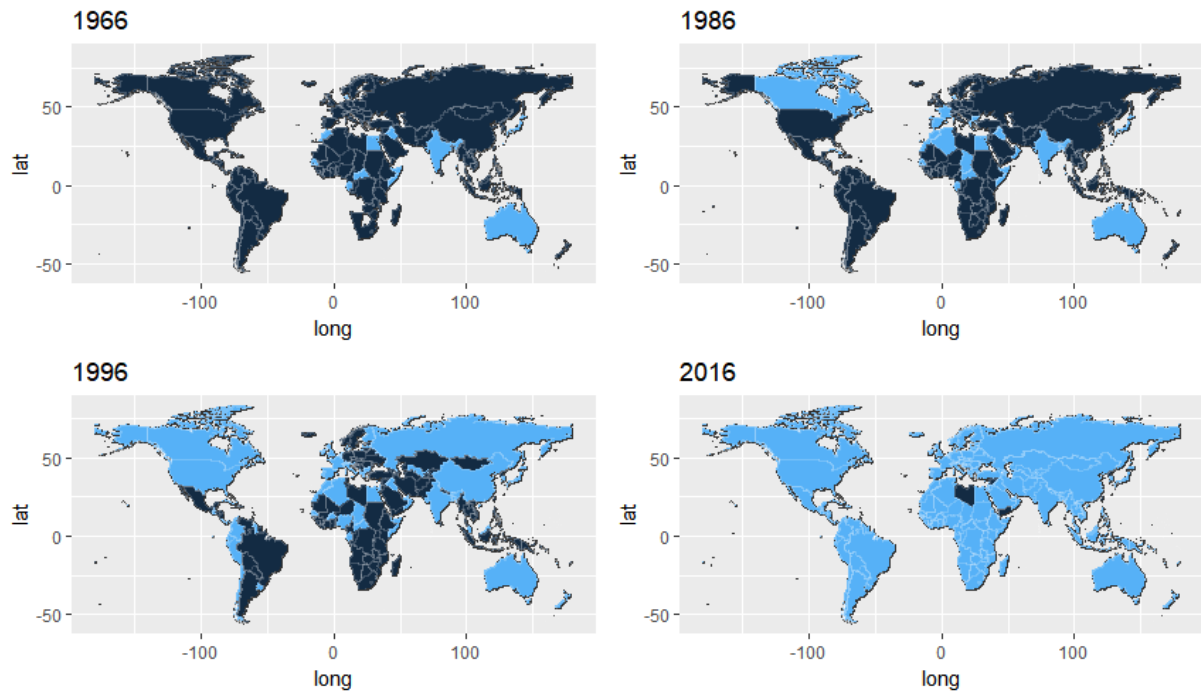**Figure 2: Cumulative Number of Countries with NAPs and Number of Countries adopting NAPs by year.**

Table 1: Descriptive Table for Variables

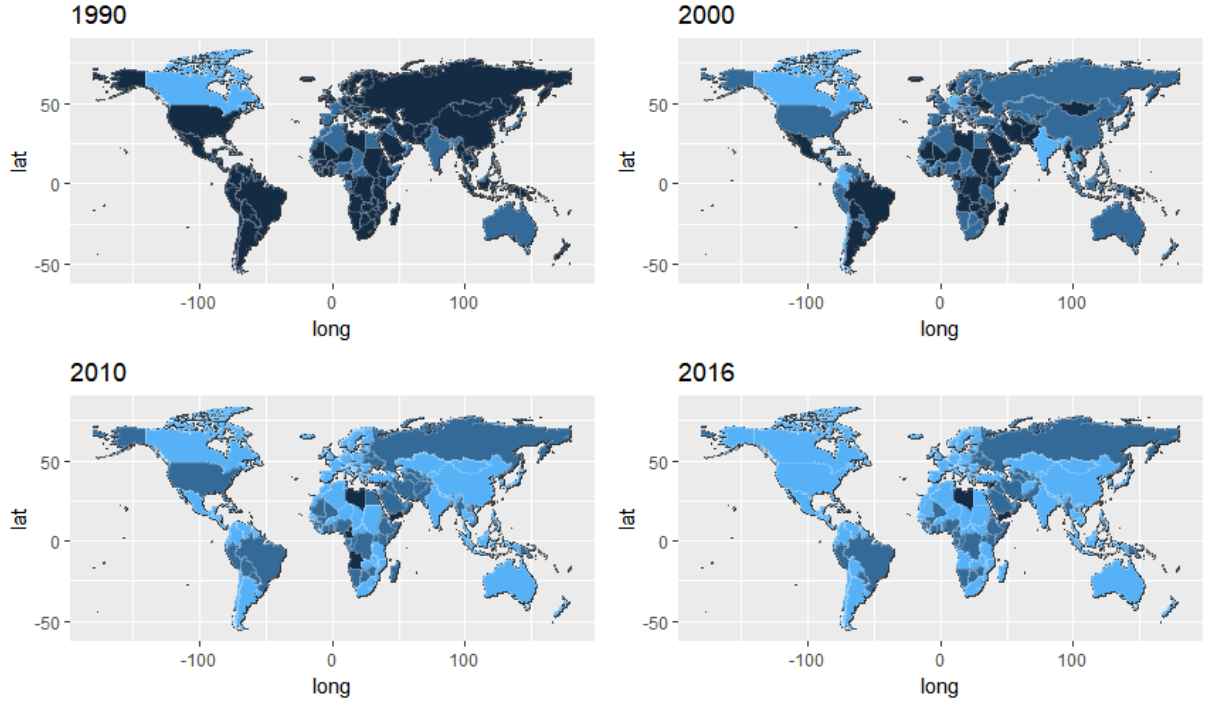| Variable	Expected Sign	Obs	Mean	Std. Dev.	Min	Max
Dependent Variable						
Adoption of Law	n/a	12,682	0.054	0.227	0.000	1.000
Adoption of NAP	n/a	12,682	0.016	0.126	0.000	1.000
Independent Variable						
Women Political Empowerment	+	8,288	0.593	0.223	0.040	0.965
Women in Parliaments (%)	+	3,338	16.280	10.465	0.300	63.800
Female Employment (%)	+	4,385	45.706	16.311	4.494	89.309
Female Primary Education (% gross)	+	6,112	92.500	25.210	0.778	163.021
MEPV	+	9,188	0.730	1.799	0.000	18.000
Polity	+	11,197	0.714	7.323	-10.000	10.000
CEDAW	+	12,682	0.386	0.487	0.000	1.000
GDP per Capita	+	10,523	0.898	1.302	0.013	22.072
Diffusion Variable						
Region for Law (%)	+	12,660	0.284	0.329	0.000	1.000
Colonial Heritage for Law (%)	+	12,660	0.284	0.325	0.000	1.000
Legal System for Law (%)	+	11,143	0.274	0.310	0.000	1.000
Region for NAP (%)	+	12,660	0.084	0.194	0.000	0.850
Colonial Heritage for NAP (%)	+	12,660	0.084	0.191	0.000	1.000
Legal System for NAP (%)	+	11,143	0.081	0.176	0.000	1.000
CEDAW (%)	+	12,682	0.386	0.413	0.000	0.959

Note: Female Employment, Female Primary Education, and Women in Parliaments will be used for NAP diffusion analysis only because data from World Bank do not cover before 1960.

Figure 3: Countries with Laws about Violence Against Women

Light Blue means a country with Laws and Dark Blue without Laws

Figure 4: Countries with NAP about Violence Against Women

Light Blue means a country with NAP, Gray Blue with Law but not NAP, and Dark Blue without Law

$$Y^*_{ijt} = \alpha + \beta_1 Women\ Political\ Empaowerment_{it-1} + \beta_2 Polity2_{it-1} +$$

$$\beta_3 CEDAW_{it-1} + B_4 GDP_{it-1} + \beta_5 Region\ (\%)_{it-1} + \beta_6 Colonial\ Heritage\ (\%)_{it-1} +$$

$$\beta_7 Legal\ (\%)_{it-1} + \beta_8 CEDAW\ (\%)_{it-1} + \gamma_1 GDP\ Difference_{ijt-1} +$$

$$\gamma_2 Polity2\ Difference_{ijt-1} + Time + Time^2 + Time^3 + \varepsilon_{ijt},\ \forall i \neq j \qquad (1)$$

$$Y_{ijt} = \begin{cases} 1\ if\ Y^*_{ijt} > 0, \\ 0\ otherwise. \end{cases} \qquad (2)$$

$$C_{ijt} = \begin{cases} 1\ if\ Y_{ijt} = 1\ and\ N_{ijt} = 1, \\ 0\ otherwise. \end{cases} \qquad (3)$$

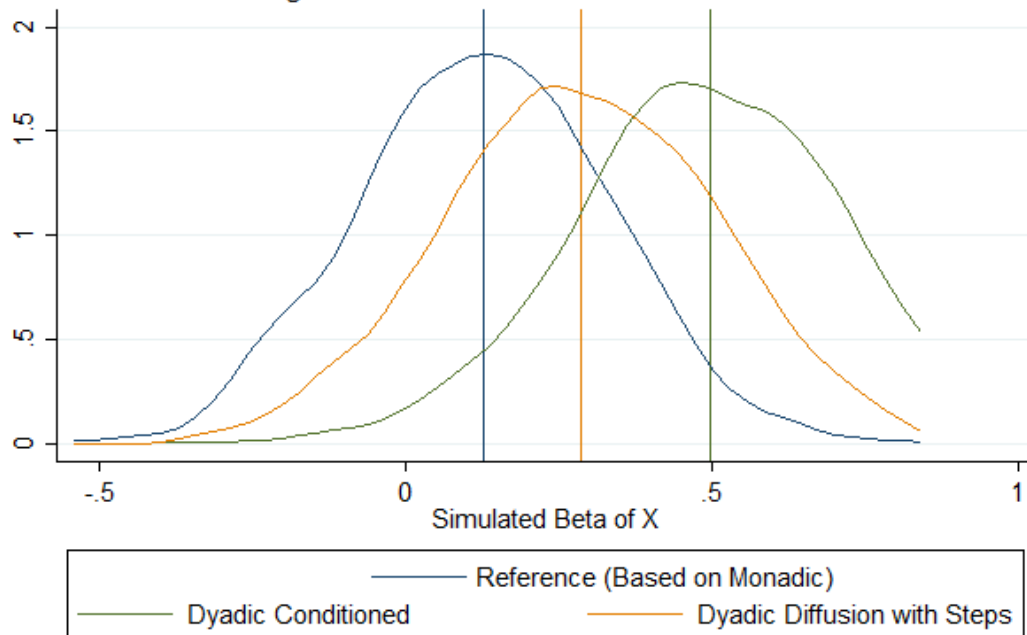$$S_{ijt} = \begin{cases} 1 \ if \ C_{ijt} = 1 \ and \ L_{ijt} = 1, \\ 0 \ otherwise. \end{cases} \tag{4}$$

$$Y^* = -2 + 0.5 * Women \ Political \ Empowerment + e, e \sim N(0,1) \tag{5}$$

$$Y = \begin{cases} 1 \ if \ Y^* \geq 0, \\ 0 \ otherwise. \end{cases} \tag{6}$$

$$S^* = -3 + 0.5 * Women \ Political \ Empowerment + e, e \sim N(0,1) \tag{7}$$
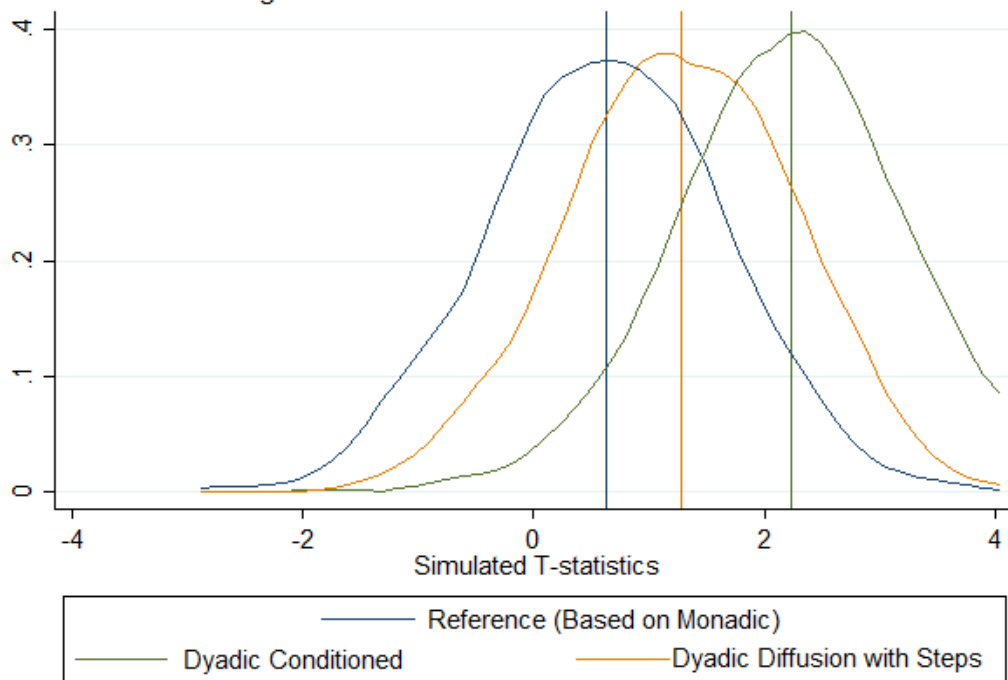
$$S = \begin{cases} 1 \ if \ S^* = 1 \ and \ Y = 1 \\ 0 \ otherwise. \end{cases} \tag{8}$$

Figure 5: MC Simulation - Simulated of Beta

Simulated Beta of X

Reference (Based on Monadic)
Dyadic Conditioned
Dyadic Diffusion with Steps

Note: The results are based on 1,000 simulation and I use real data about Women Political Empowerment for 196 countries from 1908 to 2016. Reference is created based on Monadic structure.

Figure 6: MC Simulation - Simulated T-statistics

Simulated T-statistics

Reference (Based on Monadic)
Dyadic Conditioned
Dyadic Diffusion with Steps

Table 2: Diffusion of Laws about Violence Against Women

	Model 1 Monadic	Model 2 Monadic	Model 3 Directed Dyadic	Model 4 Directed Dyadic
Independent Variable				
Women Political Empowerment	1.839***	1.692***	1.380**	1.340**
	(0.466)	(0.490)	(0.435)	(0.434)
MEPV	0.112*	0.120**	0.122**	0.131***
	(0.045)	(0.042)	(0.040)	(0.039)
Polity 2	0.026	0.026	0.011	0.011
	(0.014)	(0.016)	(0.013)	(0.014)
CEDAW	0.068	0.174	0.474	0.455
	(0.259)	(0.262)	(0.365)	(0.342)
GDP per Capita	0.123**	0.062	0.103**	0.069*
	(0.042)	(0.040)	(0.032)	(0.032)
Diffusion Variable				
Region for Law (%)		1.776**		1.007*
		(0.563)		(0.498)
Colonial Heritage for Law (%)		1.082*		0.559
		(0.486)		(0.444)
Legal System for Law (%)		0.236		-0.438
		(1.062)		(0.975)
CEDAW (%)		0.449		4.335
		(1.927)		(3.787)
Control Variable				
GDP Difference			0.011	0.012
			(0.013)	(0.012)
Polity 2 Difference			-0.022***	-0.025***
			(0.004)	(0.004)
time	-2.471***	-1.638*	-7.226***	-5.648***
	(0.415)	(0.679)	(0.508)	(0.804)
time2	0.035***	0.024*	0.099***	0.077***
	(0.006)	(0.010)	(0.007)	(0.012)
time3	-0.000***	-0.000**	-0.000***	-0.000***
	(0.000)	(0.000)	(0.000)	(0.000)
Constant	48.153***	28.813*	151.770***	118.796***
	(8.823)	(14.313)	(11.115)	(16.887)
N	7400	6803	387250	329809

Note : * $p<0.05$, ** $p<0.01$, ***$p<0.001$

Standard errors in parentheses

Table 3: Diffusion of NAP about Violence Against Women

	Model 1 Monadic	Model 2 Monadic D/S	Model 3 Dyadic Conditioned	Model 4 Dyadic D/S
Independent Variable				
Women Political Empowerment	2.970**	3.131**	2.589*	2.699*
	(0.981)	(1.013)	(1.035)	(1.051)
MEPV	0.07	0.067	0.027	0.001
	(0.052)	(0.054)	(0.067)	(0.067)
Polity 2	0.015	0.003	0.014	0.013
	(0.026)	(0.025)	(0.030)	(0.030)
CEDAW	1.128	0.572	0.823	0.347
	(0.799)	(0.859)	(0.753)	(0.768)
GDP per Capita	0.129*	0.118	0.066	0.082
	(0.064)	(0.064)	(0.068)	(0.067)
Diffusion Variable				
Region for NAP (%)	0.811	0.153	1.201	0.4
	(1.048)	(0.884)	(1.057)	(0.901)
Colonial Heritage for NAP (%)	-0.947	-0.598	-1.381	-0.908
	(0.935)	(0.805)	(0.948)	(0.817)
Legal System for NAP (%)	0.275	0.48	0.292	0.396
	(0.690)	(0.746)	(0.558)	(0.593)
CEDAW (%)	14.89	22.432*	40.573***	42.075***
	(9.777)	(11.158)	(10.955)	(11.557)
Control Variable				
GDP Difference			0.059	0.036
			(0.037)	(0.037)
Polity2 Difference			0	0.004
			(0.007)	(0.007)
time	-0.782*	-1.222***	-1.732*	-1.875*
	(0.324)	(0.339)	(0.686)	(0.789)
time2	0.057***	0.072***	0.094*	0.100*
	(0.016)	(0.017)	(0.038)	(0.043)
time3	-0.001***	-0.001***	-0.002**	-0.002*
	(0.000)	(0.000)	(0.001)	(0.001)
Constant	-16.632**	-18.980**	-32.488***	-32.251***
	(5.946)	(6.865)	(7.952)	(8.321)
N	3412	2130	116972	103705

Note: * p<0.05, ** p<0.01, *** p<0.001

Standard errors in parentheses

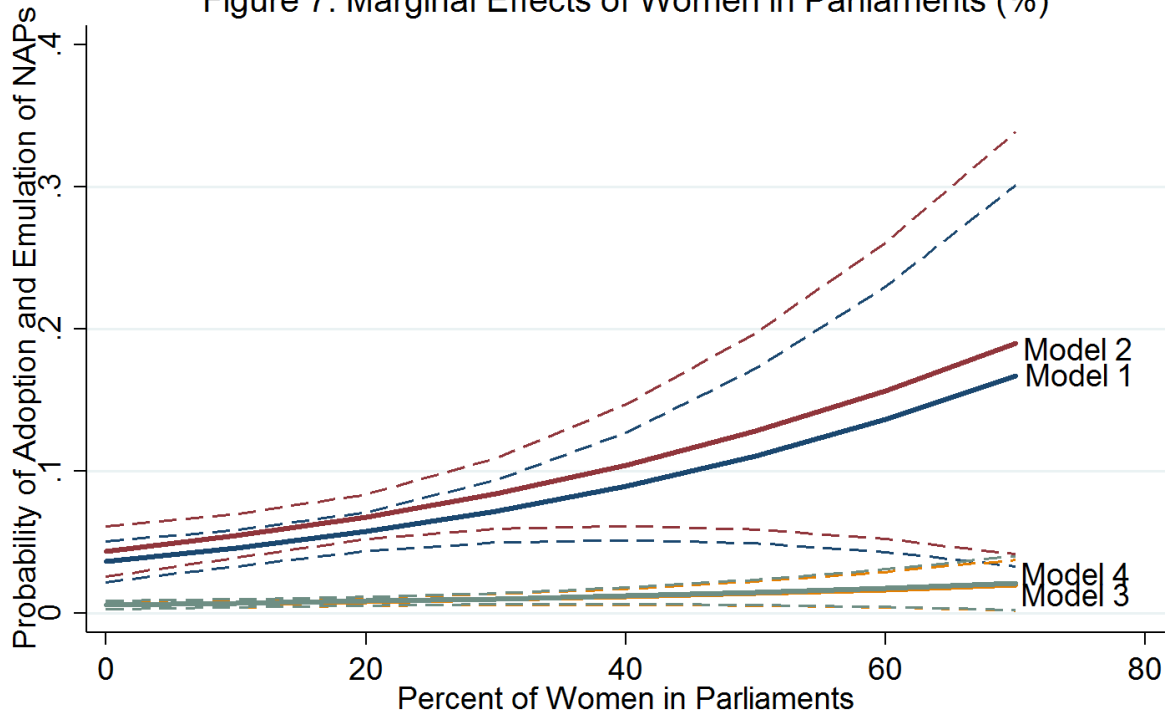**Table 4: Diffusion of NAP with Disaggregated Indexes for Women Policital Emplowerment**

	Model 1 Monadic	Model 2 Monadic D/S	Model 3 Dyadic Conditioned	Model 4 Dyadic D/S
Independent Variable				
Women in Parliaments (%)	0.024**	0.023*	0.018*	0.018*
	(0.009)	(0.009)	(0.009)	(0.009)
Female Employment (%)	-0.001	-0.001	0.004	0.003
	(0.007)	(0.007)	(0.008)	(0.008)
Female Primary Education (%)	-0.006	-0.005	-0.008	-0.007
	(0.007)	(0.007)	(0.006)	(0.006)
MEPV	0.062	0.046	-0.026	-0.048
	(0.058)	(0.060)	(0.071)	(0.073)
Polity 2	0.057**	0.044	0.054*	0.046
	(0.022)	(0.023)	(0.026)	(0.026)
CEDAW	0.388	0.192	0.187	0.056
	(0.655)	(0.666)	(0.614)	(0.609)
GDP per Capita	0.162**	0.142*	0.130*	0.125
	(0.061)	(0.063)	(0.062)	(0.064)
Diffusion Variable				
Region for NAP (%)	0.256	0.205	0.694	0.536
	(0.910)	(0.902)	(0.941)	(0.926)
Colonial Heritage for NAP (%)	-0.581	-0.67	-1.1	-1.083
	(0.824)	(0.815)	(0.870)	(0.848)
Legal System for NAP (%)	0.168	0.328	-0.134	-0.083
	(0.764)	(0.804)	(0.646)	(0.667)
CEDAW (%)	37.623***	43.735***	47.637***	48.834***
	(11.182)	(11.426)	(11.445)	(11.868)
Control Variable				
GDP Difference			0.027	0.021
			(0.037)	(0.037)
Polity2 Difference			0.003	0.006
			(0.007)	(0.007)
time	0.115	-0.111	-2.614**	-2.563*
	(0.908)	(0.994)	(0.950)	(1.048)
time2	-0.013	-0.008	0.137**	0.133*
	(0.049)	(0.052)	(0.053)	(0.056)
time3	0	0	-0.003**	-0.003*
	(0.001)	(0.001)	(0.001)	(0.001)
Constant	-36.578***	-39.608***	-30.251**	-31.323**
	(9.671)	(9.550)	(9.721)	(9.648)
N	1827	1572	96081	90207

Note: * p<0.05, ** p<0.01, *** p<0.001

Standard errors in parentheses

Figure 7: Marginal Effects of Women in Parliaments (%)

Note: Figure 7 shows the predicted probability of adoption and emulation of NAPs about Volence Against Women by Women in Parliaments (%), while other variables are held at thier mean values with 95% confidential intervals. I refer the STATA code from Jann (2017).

Appendix

1. List of Countries in models.

Afghanistan, Albania, Algeria, Andorra, Angola, Antigua and Barbuda, Argentina, Armenia, Australia, Austria, Azerbaijan, Bhamas, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Belize, Benin, Bhutan, Bolivia (Plurinational State of), Bosnia and Herzegovina, Botswana, Brazil, Brunei Darussalam, Bulgaria, Burkina Faso, Burundi, Cabo Verde, Cambodia, Cameroon, Canada, Central African Republic, Chad, Chile, China, Colombia, Comoros, Congo, Costa Rica, Côte D'Ivoire , Croatia, Cuba, Cyprus, Czech Republic, Democratic People's Republic of Korea, Democratic Republic of the Congo, Denmark, Djibouti, Dominica, Dominican Republic, Ecuador, Egypt, El Salvador, Equatorial Guinea, Eritrea, Estonia, Ethiopia, Fiji, Finland, France, Gabon, Gambia, Georgia, Germany, Ghana, Greece, Grenada, Guatemala, Guinea, Guinea-Bissau, Guyana, Haiti, Honduras, Hungary, Iceland, India, Indonesia, Iran (Islamic Republic of), Iraq, Ireland, Israel, Italy, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kiribati, Kuwait, Kyrgyzstan, Lao People's Democratic Republic, Latvia, Lebanon, Lesotho, Liberia, Libya, Liechtenstein, Lithuania, Luxembourg, Madagascar, Malawi, Malaysia, Maldives, Mali, Malta, Marshall Islands, Mauritania, Maruritius, Mexico, Micronesia (Federated States of), Monaco, Mongolia, Montenegro, Morocco, Mozambique, Myanmar, Namibia, Nauru, Nepal, Netherlands, New Zealand, Nicaragua, Niger, Nigeria, Norway, Oman, Pakistan, Palau, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Poland, Portugal, Qatar, Republic of Korea, Republic of Moldova, Romania, Russian Federation, Rwanda, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines,

Samoa, San Marino, Sao Tome and Principe, Saudi Arabia, Senegal, Serbia, Seychelles, Sierra Leone, Singapore, Slovakia, Slovenia, Solomon Islands, Somalia, South Africa, South Sudan, Spain, Sri Lanka, Sudan, Suriname, Swaziland, Sweden, Switzerland, Syrian Arab Republic, Tajikistan, Thailand, The Former Yogoslav Republic of Macedonia, Timor-Leste, Togo, Tonga, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Tuvalu, Uganda, Ukraine, United Arab Emirates, United Kingdom of Great Britain and Northern Ireland, United Republic of Tanzania, United States of America, Uruguay, Uzbekistan, Vanuatu, Venezuela (Bolivarian Republic of), Viet Nam, Yemen

2. Detailed Information for Monte Carlo simulation.

Monte Carlo Simulation Results

Model	Beta hat				T-statistics			
	Mean	Std. Dev.	Min	Max	Mean	Std. Dev.	Min	Max
Reference	0.128	0.204	-0.495	0.795	0.630	1.016	-2.639	3.812
Dyadic Conditioned	0.497	0.229	-0.359	1.494	2.237	1.033	-1.785	6.699
Dyadic Diffusion with Steps	0.286	0.220	-0.326	0.955	1.279	0.983	-1.573	4.475

3. Models with laws about different types of violence

Table: Conditioned dyadic event history analysis by types of violence against women

	Stalking	Violence Against Women	Domestic	Sexual Violence	Sexual Harassment	FGM	Trafficking	Child Early Forced Merriage
Independent Variable								
Women Political Empowerment	-4.14	2.154*	2.024**	2.338*	1.804	1.235	0.145	2.915*
	(3.181)	(0.917)	(0.784)	(1.093)	(1.294)	(1.241)	(1.016)	(1.481)
MEPV	0.218	0.205***	0.095	0.174*	0.054	0.088	-0.104	-0.082
	(0.112)	(0.041)	(0.051)	(0.069)	(0.082)	(0.122)	(0.075)	(0.118)
Polity 2	0.108	0.012	0.047	-0.026	0.044	-0.052	0.017	-0.094*
	(0.103)	(0.026)	(0.031)	(0.043)	(0.043)	(0.037)	(0.030)	(0.041)
CEDAW	0.462	-0.944*	2.337***	0.179	2.059	0.561	0.279	2.082*
	(1.192)	(0.404)	(0.508)	(0.481)	(1.070)	(0.434)	(0.932)	(0.830)
GDP per Capita	-0.106	-0.103	0.148**	-0.04	-0.084	0.154*	0.062	0.056
	(0.203)	(0.072)	(0.057)	(0.100)	(0.096)	(0.075)	(0.067)	(0.129)
Diffusion Variable								
Region for Law (%)	-1.142	3.134**	-0.562	1.57	2.385*	7.501***	-0.041	7.165***
	(3.629)	(1.151)	(0.525)	(0.884)	(1.207)	(1.927)	(1.224)	(1.616)
Colonial Heritage for Law (%)	17.750*	0.76	1.464*	0.875	-1.817	0.564	0.419	0.02
	(7.498)	(0.927)	(0.701)	(0.864)	(1.599)	(1.430)	(0.862)	(1.931)
Legal System for Law (%)	-2.054	0.357	-1.202	-1.25	-1.66	-6.029*	-2.021	1.692
	(5.181)	(1.177)	(0.762)	(1.953)	(1.439)	(2.401)	(2.312)	(6.141)
CEDAW (%)	-4.909	13.557	12.243	3.173	18.985	-0.85	15.164	1.985
	(23.473)	(10.034)	(6.354)	(7.004)	(13.366)	(12.909)	(10.870)	(9.252)
Control Variable								
GDP Difference	0.109	-0.033	-0.023	-0.005	0.003	0.052	-0.018	-0.047
	(0.121)	(0.027)	(0.023)	(0.023)	(0.032)	(0.067)	(0.024)	(0.074)
Polity2 Difference	-0.053	-0.020*	-0.001	-0.013*	0.024	-0.025	-0.010*	0.043
	(0.091)	(0.010)	(0.006)	(0.006)	(0.020)	(0.020)	(0.005)	(0.030)
time	-3.87	0.108	-1.941***	-5.491***	-1.442***	3.756	-1.834***	-0.782***
	(3.077)	(1.974)	(0.431)	(1.609)	(0.414)	(2.803)	(0.453)	(0.180)
time2	0.073	-0.001	0.083***	0.076***	0.038***	-0.092	0.062***	0.029
	(0.059)	(0.038)	(0.011)	(0.024)	(0.011)	(0.067)	(0.017)	(0.017)
time3	0	0	-0.001***	-0.000**	-0.000**	0.001	-0.001***	0
	0.000	0.000	0.000	0.000	0.000	(0.001)	0.000	0.000
Constant	49.357	-18.168	-4.165***	110.720***	-5.255***	-54.943	-6.82	-7.171***
	(43.932)	(28.377)	(0.787)	(33.482)	(0.679)	(31.909)	(4.514)	(1.349)
N	33322	150830	173073	194749	105427	64146	162373	59525

Note: * p<0.05, ** p<0.01, *** p<0.001
Standard errors in parentheses

4. Pooled Event History Models

PEHM: Diffusion of Laws about Violence Against Women

	Monadic PEHM	Dyadic PEHM
Independent Variable		
Women Political Empowerment	1.619***	1.562***
	(0.397)	(0.148)
MEPV	0.086***	0.113***
	(0.025)	(0.010)
Polity 2	0.025*	0.017***
	(0.011)	(0.004)
CEDAW	0.073	0.528***
	(0.176)	(0.087)
GDP per Capita	0.011	0.008
	(0.030)	(0.011)
Diffusion Variable		
Region for Law (%)	1.467***	0.974***
	(0.354)	(0.120)
Colonial Heritage for Law (%)	0.988**	0.981***
	(0.376)	(0.122)
Legal System for Law (%)	-1.780***	-0.924***
	(0.423)	(0.150)
CEDAW (%)	6.945***	15.888***
	(0.723)	(0.746)
Control Variable		
GDP Difference		0.003
		(0.010)
Polity2 Difference		-0.004
		(0.003)
time	-0.071***	-0.307***
	(0.020)	(0.033)
time2	0	0.003***
	0.000	(0.001)
time3	0	-0.000***
	0.000	0.000
Constant	-7.897***	-8.864***
	(0.682)	(1.255)
var(constant)	2.609	10.486
	(1.616)	(5.355)
N	54424	106829

Note: * p<0.05, ** p<0.01, *** p<0.001
Standard errors in parentheses

5. Heckman Probit and Instrumental Variable Regression

Robustness Check

	Heckprob	Ivreg
Independent Variable		
Women in Parliments (%)	0.009*	0.000*
	(0.004)	(0.000)
Female Employment (%)	0.002	0
	(0.003)	(0.000)
Female Primary Education (%)	-0.003	0
	(0.003)	(0.000)
MEPV	-0.012	0
	(0.029)	(0.001)
Polity 2	0.021	0.001
	(0.011)	(0.001)
CEDAW	0.164	0.005
	(0.260)	(0.012)
GDP per Capita	0.065*	0.004*
	(0.030)	(0.002)
Diffusion Variable		
Region for NAP (%)	0.194	0.015
	(0.374)	(0.016)
Colonial Heritage for NAP (%)	-0.332	-0.022
	(0.350)	(0.013)
Legal System for NAP (%)	-0.097	0.011
	(0.292)	(0.020)
CEDAW (%)	22.050***	1.502***
	(4.811)	(0.269)
Control Variable		
GDP Difference	0.021	0.001
	(0.014)	(0.001)
Polity2 Difference	0.001	0
	(0.003)	(0.000)
time	-0.555	-0.004
	(0.422)	(0.013)
time2	0.028	-0.001
	(0.022)	(0.001)
time3	-0.001	0
	(0.000)	(0.000)
Existence of Law about VAW		-0.032
		(0.056)
Constant	-18.428***	-1.167***
	(3.940)	(0.212)

Continued.

Existence of Law about VAW		
CEDAW (%)	-3.903	
	(3.290)	
CEDAW	1.103	
	(0.634)	
GDP Difference	0.012	
	(0.028)	
Polity2 Difference	-0.012	
	(0.008)	
GDP per Capita	0.012	
	(0.089)	
MEPV	0.094	
	(0.096)	
Polity2	0.027	
	(0.030)	
Women Political Empowerment	0.865	
	(1.025)	
Region for Law (%)	2.407	
	(1.242)	
Colonial Heritage for Law (%)	3.335***	
	(0.928)	
Legal System for Law (%)	1.106	
	(1.156)	
time	30.818***	
	(7.804)	
time2	-0.313***	
	(0.080)	
time3	0.001***	
	0.000	
Constant	-1009.951***	
	(253.785)	
athrho		
Constant	1.202	
	(1.053)	
N	101379	93832

Note: *p<0.05, **p<0.01, ***p<0.001
Standard errors in parentheses