APPENDICES for the RSMCC piece entitled

"Measuring Event Diffusion Momentum (EDM): Applications in Social Movement Research"

By Tony Huiquan ZHANG and Tianji CAI

TABLE OF CONTENTS

Appendices

Table A1. Regression Coefficients of Zero-Inflated Poisson Models, Study 1 (Pre-event Counts)

	$t = 1$	$t = 3$	$t = 7$	$t = 14$	$t = 30$	$t = 45$	$t = 60$	$t = 90$
Count model: (Intercept)	0.75***	1.34***	1.91***	2.33***	2.82***	3.10***	3.29***	3.56***
	(0.06)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: SIZE10~49	-0.13**	-0.05*	-0.02	0.01	0.03***	0.03***	0.03***	0.05***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: SIZE50~99	0.02	-0.03	-0.02	0.00	0.03***	0.02**	0.01	0.01
	(0.05)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: SIZE100~999	-0.12**	-0.06*	-0.02	0.01	0.03***	0.04***	0.03***	0.04***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: SIZE1000+	-0.20***	-0.10***	-0.09***	-0.10***	-0.07***	-0.07***	-0.07***	-0.08***
	(0.06)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: SMO: ONE	-0.04	-0.01	0.02	0.03***	0.05***	0.07***	0.09***	0.11***
	(0.03)	(0.02)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)	(0.00)
Count model: SMO: Multi SMOs	-0.08	0.00	0.05***	0.08***	0.10***	0.14***	0.16***	0.19***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: VIO: Violent Case	0.18***	0.10***	0.12***	0.09***	0.02**	0.01*	0.01*	0.01*
	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: FORM Legal/Institution	-0.36***	-0.22***	-0.27***	-0.24***	-0.22***	-0.20***	-0.16***	-0.12***
	(0.06)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: FORM Picket/Strike	-0.24***	-0.12***	-0.15***	-0.11***	-0.10***	-0.08***	-0.05***	-0.02**
	(0.05)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: FORM Rally/March	-0.15**	-0.05	-0.07***	-0.02	-0.01	0.00	0.01	0.05***
	(0.05)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: FORM Violence/Conflict	-0.25***	-0.07	-0.14***	-0.17***	-0.16***	-0.14***	-0.11***	-0.08***
	(0.07)	(0.04)	(0.02)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: DECADE 1970s	-0.16***	-0.16***	-0.13***	-0.10***	-0.02***	0.02***	0.04***	0.07***
	(0.03)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)	(0.00)
Count model: DECADE 1980s	-1.06***	-1.00***	-0.94***	-0.89***	-0.86***	-0.84***	-0.83***	-0.80***
	(0.08)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: DECADE 1990s	-0.71***	-0.74***	-0.68***	-0.64***	-0.62***	-0.61***	-0.59***	-0.56***
	(0.08)	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Zero model: (Intercept)	0.57***	-0.08	-0.58***	-1.03***	-1.60***	-2.00***	-2.23***	-2.65***
	(0.10)	(0.08)	(0.07)	(0.08)	(0.09)	(0.10)	(0.10)	(0.12)

	$t = 1$	$t = 3$	$t = 7$	$t = 14$	$t = 30$	$t = 45$	$t = 60$	$t = 90$
Zero model: SIZE 10~49	-0.10	-0.03	-0.03	-0.02	0.09	0.10	0.06	0.07
	(0.07)	(0.05)	(0.05)	(0.05)	(0.06)	(0.07)	(0.08)	(0.09)
Zero model: SIZE 50~99	0.14	0.00	0.01	-0.02	0.05	0.10	0.05	0.03
	(0.08)	(0.06)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)	(0.10)
Zero model: SIZE 100~999	-0.12	-0.09	-0.03	0.01	0.15*	0.17*	0.14	0.15
	(0.07)	(0.06)	(0.05)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)
Zero model: SIZE 1000+	-0.17	-0.02	0.03	0.06	0.10	0.12	0.10	0.07
	(0.10)	(0.07)	(0.07)	(0.07)	(0.08)	(0.09)	(0.10)	(0.11)
Zero model: SMO: ONE	-0.13*	-0.15***	-0.15***	-0.16***	-0.22***	-0.23***	-0.19***	-0.22***
	(0.05)	(0.04)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.06)
Zero model: SMO: Multi SMOs	-0.35***	-0.32***	-0.39***	-0.46***	-0.66***	-0.64***	-0.60***	-0.60***
	(0.09)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)	(0.10)	(0.12)
Zero model: VIO: Violent Case	0.10	0.05	0.10	0.06	0.15*	0.19*	0.15	0.21*
	(0.08)	(0.06)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)	(0.10)
Zero model: FORM Legal/Institution	-0.05	0.11	0.03	-0.05	-0.18*	-0.15	-0.17	-0.18
	(0.10)	(0.07)	(0.07)	(0.07)	(0.08)	(0.09)	(0.10)	(0.11)
Zero model: FORM Picket/Strike	-0.22*	-0.07	-0.15*	-0.15*	-0.29***	-0.27**	-0.24**	-0.20
	(0.09)	(0.07)	(0.07)	(0.07)	(0.08)	(0.09)	(0.09)	(0.10)
Zero model: FORM Rally/March	-0.36***	-0.28***	-0.33***	-0.31***	-0.44***	-0.41***	-0.44***	-0.38***
	(0.09)	(0.07)	(0.07)	(0.07)	(0.08)	(0.09)	(0.09)	(0.11)
Zero model: FORM Violence/Conflict	-0.26*	-0.04	-0.01	-0.04	-0.25*	-0.22	-0.19	-0.27
	(0.12)	(0.09)	(0.09)	(0.10)	(0.11)	(0.12)	(0.13)	(0.15)
Zero model: DECADE 70s	-0.02	-0.00	0.03	0.04	0.22***	0.27***	0.35***	0.44***
	(0.05)	(0.04)	(0.04)	(0.04)	(0.05)	(0.06)	(0.06)	(0.07)
Zero model: DECADE 80s	0.15	0.30***	0.48***	0.68***	0.81***	0.86***	0.90***	0.99***
	(0.12)	(0.06)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.07)
Zero model: DECADE 90s	0.34**	0.34***	0.50***	0.60***	0.78***	0.87***	0.91***	1.00***
	(0.11)	(0.07)	(0.06)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)
AIC	37488.71	68467.43	110852.82	171259.50	281576.49	382644.33	477131.64	661836.40
Log Likelihood	-18714.36	-34203.71	-55396.41	-85599.75	-140758.25	-191292.17	-238535.82	-330888.20
Num. obs.	18951	18951	18951	18951	18951	18951	18951	18951

***p < 0.001; **p < 0.01; *p < 0.05

Table A2. Regression Coefficients of Zero-Inflated Poisson Models, Study 1 (Post-event Counts)

	$t=1$	$t=3$	$t=7$	$t=14$	$t=30$	$t=45$	$t=60$	$t=90$
Count model: (Intercept)	0.70***	1.39***	1.92***	2.34***	2.77***	3.06***	3.27***	3.53***
	(0.06)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: SIZE 10~49	-0.00	-0.00	-0.02	0.00	0.05***	0.05***	0.07***	0.10***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: SIZE 50~99	0.06	0.03	0.00	0.01	0.02**	0.02**	0.03***	0.06***
	(0.05)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: SIZE 100~999	0.00	-0.00	0.01	0.04***	0.07***	0.06***	0.07***	0.08***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: SIZE 1000+	0.03	-0.04	-0.06***	-0.06***	-0.04***	-0.04***	-0.02***	-0.02***
	(0.06)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: SMO: ONE	-0.09**	-0.05**	-0.01	0.02**	0.07***	0.08***	0.09***	0.11***
	(0.03)	(0.02)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)	(0.00)
Count model: SMO: Multi SMOs	-0.06	0.01	0.06***	0.11***	0.15***	0.18***	0.19***	0.21***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: VIO: Violent Case	0.24***	0.21***	0.20***	0.18***	0.11***	0.07***	0.04***	0.01*
	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: FORM Legal/Institution	-0.40***	-0.34***	-0.26***	-0.23***	-0.20***	-0.19***	-0.18***	-0.13***
	(0.06)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: FORM Picket/Strike	-0.23***	-0.19***	-0.17***	-0.14***	-0.08***	-0.07***	-0.06***	-0.03***
	(0.05)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: FORM Rally/March	-0.25***	-0.16***	-0.13***	-0.10***	-0.03**	-0.01	-0.02*	0.01
	(0.05)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: FORM Violence/Conflict	-0.45***	-0.35***	-0.28***	-0.28***	-0.20***	-0.18***	-0.18***	-0.13***
	(0.07)	(0.04)	(0.02)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: DECADE 70s	-0.08**	-0.14***	-0.13***	-0.10***	-0.02***	0.02***	0.04***	0.06***
	(0.03)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)	(0.00)
Count model: DECADE 80s	-1.13***	-0.98***	-0.94***	-0.89***	-0.85***	-0.83***	-0.83***	-0.80***
	(0.08)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: DECADE 90s	-0.89***	-0.77***	-0.69***	-0.64***	-0.60***	-0.59***	-0.58***	-0.55***
	(0.08)	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Zero model: (Intercept)	0.48***	-0.10	-0.61***	-1.04***	-1.66***	-1.97***	-2.17***	-2.48***
	(0.10)	(0.08)	(0.07)	(0.08)	(0.09)	(0.10)	(0.10)	(0.12)
Zero model: SIZE 10~49	-0.01	-0.04	-0.07	-0.00	0.04	0.08	0.13	0.10
	(0.08)	(0.05)	(0.05)	(0.05)	(0.06)	(0.07)	(0.08)	(0.08)

	$t = 1$	$t = 3$	$t = 7$	$t = 14$	$t = 30$	$t = 45$	$t = 60$	$t = 90$
Zero model: SIZE 50~99	0.14	0.08	0.06	0.09	0.07	0.09	0.12	0.08
	(0.09)	(0.06)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)	(0.10)
Zero model: SIZE 100~999	-0.05	-0.09	-0.06	0.02	0.06	0.01	0.07	-0.03
	(0.08)	(0.06)	(0.05)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)
Zero model: SIZE 1000+	0.12	-0.01	-0.03	-0.00	-0.02	-0.01	0.07	-0.07
	(0.09)	(0.07)	(0.07)	(0.07)	(0.08)	(0.09)	(0.10)	(0.11)
Zero model: SMO: ONE	-0.18***	-0.11**	-0.12***	-0.11**	-0.16***	-0.18***	-0.23***	-0.26***
	(0.05)	(0.04)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.06)
Zero model: SMO: Multi SMOs	-0.36***	-0.35***	-0.36***	-0.42***	-0.57***	-0.62***	-0.65***	-0.67***
	(0.08)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)	(0.10)	(0.12)
Zero model: VIO: Violent Case	0.05	0.11	0.08	0.05	0.05	0.11	0.12	0.06
	(0.07)	(0.06)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)	(0.10)
Zero model: FORM Legal/Institution	-0.05	-0.04	0.00	-0.07	-0.10	-0.14	-0.23*	-0.20
	(0.10)	(0.07)	(0.07)	(0.07)	(0.08)	(0.09)	(0.09)	(0.10)
Zero model: FORM Picket/Strike	-0.13	-0.08	-0.10	-0.19**	-0.20*	-0.26**	-0.34***	-0.35***
	(0.09)	(0.07)	(0.07)	(0.07)	(0.08)	(0.09)	(0.09)	(0.10)
Zero model: FORM Rally/March	-0.30***	-0.22**	-0.21**	-0.27***	-0.26**	-0.30***	-0.40***	-0.44***
	(0.09)	(0.07)	(0.07)	(0.07)	(0.08)	(0.09)	(0.09)	(0.10)
Zero model: FORM Violence/Conflict	-0.31**	-0.27**	-0.15	-0.17	-0.15	-0.22	-0.29*	-0.29
	(0.12)	(0.09)	(0.09)	(0.10)	(0.11)	(0.12)	(0.13)	(0.15)
Zero model: DECADE 70s	0.11*	0.02	0.03	0.04	0.22***	0.27***	0.34***	0.41***
	(0.05)	(0.04)	(0.04)	(0.04)	(0.05)	(0.06)	(0.06)	(0.07)
Zero model: DECADE 80s	0.01	0.32***	0.47***	0.64***	0.79***	0.84***	0.89***	0.99***
	(0.13)	(0.06)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.07)
Zero model: DECADE 90s	0.03	0.26***	0.46***	0.57***	0.77***	0.86***	0.90***	0.97***
	(0.13)	(0.07)	(0.06)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)
AIC	37554.88	68428.63	111231.56	171385.78	281258.26	382487.28	476823.09	661661.84
Log Likelihood	-18747.44	-34184.31	-55585.78	-85662.89	-140599.13	-191213.64	-238381.54	-330800.92
Num. obs.	18951	18951	18951	18951	18951	18951	18951	18951

***p < 0.001; **p < 0.01; *p < 0.05

Table A3. Regression Coefficients of Zero-Inflated Poisson Models, Study 2 (Pre-event Counts)

	$t = 1$	$t = 3$	$t = 7$	$t = 14$	$t = 30$	$t = 45$	$t = 60$	$t = 90$
Count model: (Intercept)	0.17***	0.96***	1.43***	1.81***	2.24***	2.51***	2.71***	2.99***
	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)
Count model: DECADE 1970s	-0.58***	-0.53***	-0.43***	-0.37***	-0.24***	-0.19***	-0.17***	-0.12***
	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)
Count model: DECADE 1980s	-0.71***	-0.96***	-0.91***	-0.89***	-0.85***	-0.84***	-0.85***	-0.82***
	(0.08)	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: DECADE 1990s	-0.39***	-0.66***	-0.58***	-0.56***	-0.52***	-0.54***	-0.55***	-0.52***
	(0.09)	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: Republican POTUS	-0.03	0.20***	0.25***	0.34***	0.39***	0.42***	0.47***	0.50***
	(0.07)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: Republican Governor	0.03	0.12***	0.34***	0.51***	0.73***	0.78***	0.82***	0.89***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: Rep POTUS * Rep Gov	0.96***	0.55***	0.36***	0.22***	0.01	-0.05***	-0.12***	-0.21***
	(0.08)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Zero model: (Intercept)	0.37***	0.01	-0.56***	-1.08***	-1.79***	-2.12***	-2.39***	-2.83***
	(0.06)	(0.04)	(0.03)	(0.04)	(0.04)	(0.05)	(0.05)	(0.06)
Zero model: DECADE 1970s	-0.31***	-0.19***	-0.01	0.06	0.26***	0.29***	0.35***	0.43***
	(0.07)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.07)	(0.08)
Zero model: DECADE 1980s	0.73***	0.42***	0.58***	0.74***	0.87***	0.90***	0.89***	0.94***
	(0.12)	(0.07)	(0.05)	(0.05)	(0.06)	(0.07)	(0.07)	(0.09)
Zero model: DECADE 1990s	0.75***	0.38***	0.56***	0.64***	0.83***	0.90***	0.90***	0.96***
	(0.13)	(0.07)	(0.06)	(0.06)	(0.07)	(0.07)	(0.08)	(0.09)
Zero model: Republican POTUS	-0.56***	-0.28***	-0.32***	-0.28***	-0.20***	-0.18**	-0.07	0.03
	(0.13)	(0.06)	(0.05)	(0.05)	(0.06)	(0.06)	(0.07)	(0.07)
Zero model: Republican Governor	-0.71***	-0.79***	-0.58***	-0.40***	-0.21***	-0.24***	-0.20*	-0.14
	(0.08)	(0.05)	(0.05)	(0.05)	(0.06)	(0.07)	(0.08)	(0.09)
Zero model: Rep POTUS * Rep Gov	1.23***	0.73***	0.54***	0.41***	0.21*	0.24**	0.10	-0.02
	(0.14)	(0.08)	(0.07)	(0.07)	(0.08)	(0.09)	(0.10)	(0.12)
AIC	36482.39	65785.41	104182.15	155598.78	246712.14	330162.58	408064.78	559439.52
Log Likelihood	-18227.20	-32878.71	-52077.07	-77785.39	-123342.07	-165067.29	-204018.39	-279705.76
Num. obs.	18951	18951	18951	18951	18951	18951	18951	18951

***p < 0.001; **p < 0.01; *p < 0.05

Table A4. Regression Coefficients of Zero-Inflated Poisson Models, Study 2 (Post-event Counts)

	t = 1	*t* = 3	*t* = 7	*t* = 14	*t* = 30	*t* = 45	*t* = 60	*t* = 90
Count model: (Intercept)	0.25***	0.93***	1.43***	1.80***	2.23***	2.51***	2.70***	2.97***
	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)
Count model: DECADE 1970s	-0.56***	-0.54***	-0.42***	-0.36***	-0.23***	-0.19***	-0.16***	-0.12***
	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)
Count model: DECADE 1980s	-1.29***	-1.01***	-0.92***	-0.90***	-0.84***	-0.83***	-0.84***	-0.81***
	(0.11)	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: DECADE 1990s	-1.12***	-0.75***	-0.61***	-0.56***	-0.52***	-0.53***	-0.53***	-0.51***
	(0.12)	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: Republican POTUS	0.42***	0.28***	0.26***	0.34***	0.39***	0.42***	0.47***	0.51***
	(0.06)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: Republican Governor	-0.06	0.14***	0.34***	0.52***	0.72***	0.78***	0.83***	0.91***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: Rep POTUS* Rep Gov	0.50***	0.47***	0.34***	0.19***	0.00	-0.05***	-0.14***	-0.24***
	(0.07)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Zero model: (Intercept)	0.47***	-0.03	-0.56***	-1.09***	-1.76***	-2.10***	-2.39***	-2.81***
	(0.05)	(0.04)	(0.03)	(0.04)	(0.04)	(0.05)	(0.05)	(0.06)
Zero model: DECADE 1970s	-0.22***	-0.22***	-0.01	0.06	0.25***	0.28***	0.34***	0.38***
	(0.06)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.07)	(0.08)
Zero model: DECADE 1980s	-0.08	0.34***	0.57***	0.70***	0.85***	0.87***	0.88***	0.95***
	(0.16)	(0.07)	(0.05)	(0.05)	(0.06)	(0.07)	(0.07)	(0.08)
Zero model: DECADE 1990s	-0.35	0.22**	0.51***	0.61***	0.81***	0.89***	0.92***	0.97***
	(0.21)	(0.08)	(0.06)	(0.06)	(0.07)	(0.07)	(0.08)	(0.09)
Zero model: Republican POTUS	0.14	-0.13*	-0.31***	-0.25***	-0.21***	-0.18**	-0.08	0.00
	(0.09)	(0.06)	(0.05)	(0.05)	(0.06)	(0.06)	(0.07)	(0.07)
Zero model: Republican Governor	-0.89***	-0.77***	-0.60***	-0.39***	-0.27***	-0.31***	-0.24**	-0.22*
	(0.09)	(0.06)	(0.05)	(0.05)	(0.06)	(0.07)	(0.08)	(0.09)
Zero model: Rep POTUS* Rep Gov	0.56***	0.61***	0.53***	0.35***	0.27**	0.31***	0.18	0.14
	(0.12)	(0.08)	(0.07)	(0.07)	(0.08)	(0.09)	(0.10)	(0.12)
AIC	36635.29	65807.99	104740.78	156225.46	247317.93	331130.81	409066.29	560325.63
Log Likelihood	-18303.65	-32890.00	-52356.39	-78098.73	-123644.96	-165551.40	-204519.15	-280148.81
Num. obs.	18951	18951	18951	18951	18951	18951	18951	18951

***p < 0.001; **p < 0.01; *p < 0.05

Table A5. Regression Coefficients of Zero-Inflated Poisson Models, Study 3 (Pre-event Counts)

	$t = 1$	$t = 3$	$t = 7$	$t = 14$	$t = 30$	$t = 45$	$t = 60$	$t = 90$
Count model: (Intercept)	-0.03	0.83***	1.36***	1.81***	2.31***	2.61***	2.85***	3.16***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)
Count model: Republican Governor	0.62***	0.52***	0.63***	0.72***	0.80***	0.81***	0.80***	0.80***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)
Count model: Policing	0.07	0.06*	0.04**	-0.01	-0.08***	-0.10***	-0.14***	-0.17***
	(0.06)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: DECADE 1970s	-0.12***	-0.12***	-0.10***	-0.08***	-0.01*	0.02***	0.04***	0.07***
	(0.03)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)	(0.00)
Count model: DECADE 1980s	-0.56***	-0.68***	-0.63***	-0.59***	-0.59***	-0.58***	-0.59***	-0.57***
	(0.09)	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: DECADE 1990s	-0.25**	-0.42***	-0.39***	-0.37***	-0.37***	-0.38***	-0.39***	-0.36***
	(0.08)	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: Rep Gov * Policing	-0.02	-0.04	-0.05**	-0.03*	0.01	0.04***	0.09***	0.13***
	(0.07)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Zero model: (Intercept)	0.15	-0.14***	-0.70***	-1.20***	-1.88***	-2.23***	-2.45***	-2.83***
	(0.08)	(0.04)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.06)
Zero model: Republican Governor	-0.07	-0.36***	-0.28***	-0.16***	-0.06	-0.05	-0.10	-0.10
	(0.08)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.06)	(0.07)
Zero model: Policing	-0.14	-0.07	0.02	0.06	0.10	0.12	0.08	0.05
	(0.09)	(0.05)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.07)
Zero model: DECADE 1970s	0.02	0.01	0.04	0.05	0.23***	0.28***	0.35***	0.44***
	(0.05)	(0.04)	(0.04)	(0.04)	(0.05)	(0.06)	(0.06)	(0.07)
Zero model: DECADE 1980s	0.57***	0.40***	0.50***	0.65***	0.79***	0.85***	0.88***	0.95***
	(0.12)	(0.06)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.07)
Zero model: DECADE 1990s	0.69***	0.44***	0.51***	0.58***	0.78***	0.87***	0.89***	0.98***
	(0.11)	(0.06)	(0.06)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)
Zero model: Rep Gov * Policing	0.07	-0.05	-0.09	-0.14	-0.20*	-0.24*	-0.15	-0.17
	(0.11)	(0.08)	(0.07)	(0.08)	(0.09)	(0.10)	(0.11)	(0.13)
AIC	37079.72	67250.79	106703.42	159788.80	251876.69	337380.65	417591.25	572438.63
Log Likelihood	-18525.86	-33611.39	-53337.71	-79880.40	-125924.34	-168676.32	-208781.63	-286205.31
Num. obs.	18951	18951	18951	18951	18951	18951	18951	18951

***$p < 0.001$; **$p < 0.01$; *$p < 0.05$

Table A6. Regression Coefficients of Zero-Inflated Poisson Models, Study 3 (Post-event Counts)

	$t = 1$	$t = 3$	$t = 7$	$t = 14$	$t = 30$	$t = 45$	$t = 60$	$t = 90$
Count model: (Intercept)	0.21***	0.83***	1.38***	1.82***	2.31***	2.61***	2.84***	3.16***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)
Count model: Republican Governor	0.35***	0.50***	0.59***	0.69***	0.77***	0.79***	0.79***	0.81***
	(0.05)	(0.02)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)
Count model: Policing	-0.05	0.05	-0.01	-0.05***	-0.10***	-0.12***	-0.15***	-0.18***
	(0.05)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: DECADE 1970s	-0.09**	-0.12***	-0.10***	-0.07***	-0.01	0.03***	0.04***	0.06***
	(0.03)	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)	(0.00)	(0.00)
Count model: DECADE 1980s	-1.01***	-0.68***	-0.64***	-0.61***	-0.58***	-0.58***	-0.59***	-0.57***
	(0.12)	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Count model: DECADE 1990s	-0.70***	-0.47***	-0.41***	-0.38***	-0.36***	-0.38***	-0.38***	-0.36***
	(0.11)	(0.04)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Count model: Rep Gov * Policing	0.15*	0.02	0.04	0.04**	0.07***	0.08***	0.11***	0.13***
	(0.06)	(0.03)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Zero model: (Intercept)	0.51***	-0.15***	-0.68***	-1.17***	-1.84***	-2.20***	-2.46***	-2.85***
	(0.07)	(0.04)	(0.04)	(0.04)	(0.04)	(0.05)	(0.06)	(0.06)
Zero model: Republican Governor	-0.49***	-0.41***	-0.33***	-0.19***	-0.09	-0.10	-0.09	-0.07
	(0.08)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.06)	(0.07)
Zero model: Policing	-0.36***	-0.10	-0.01	0.00	0.04	0.05	0.08	0.05
	(0.08)	(0.05)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.07)
Zero model: DECADE 1970s	0.09	0.02	0.03	0.04	0.22***	0.28***	0.35***	0.42***
	(0.05)	(0.04)	(0.04)	(0.04)	(0.05)	(0.06)	(0.06)	(0.07)
Zero model: DECADE 1980s	-0.10	0.40***	0.49***	0.61***	0.77***	0.83***	0.88***	0.98***
	(0.20)	(0.06)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.07)
Zero model: DECADE 1990s	0.05	0.36***	0.47***	0.55***	0.76***	0.86***	0.91***	0.99***
	(0.16)	(0.07)	(0.06)	(0.06)	(0.06)	(0.07)	(0.08)	(0.09)
Zero model: Rep Gov * Policing	0.32**	0.10	-0.02	-0.13	-0.19*	-0.16	-0.19	-0.19
	(0.11)	(0.08)	(0.07)	(0.08)	(0.09)	(0.10)	(0.11)	(0.13)
AIC	37166.95	67263.25	107192.04	160166.35	252287.50	338150.24	418003.11	572352.25
Log Likelihood	-18569.48	-33617.62	-53582.02	-80069.17	-126129.75	-169061.12	-208987.56	-286162.13
Num. obs.	18951	18951	18951	18951	18951	18951	18951	18951

***p < 0.001; **p < 0.01; *p < 0.05