

## APPENDIX A. SUPPLEMENTAL TABLES

Appendix Table 1. Random Effects Poisson Regressions of “Hits” over Officer Stop Career for Three Lag Periods, 2006-16

Appendix Table 2. Bayesian Poisson Regression for “Hits” for Arrests or Summons Issued for Officer Career for Three Lag Periods, New York City, 2006–15

Appendix Table 3. Bayesian Poisson Regression for “Hits” for Weapons or Contraband Seizures for Officer Career for Three Lag Periods, New York City, 2006–15

Appendix Table 4. Bayesian Poisson Regression for “Hits” for Weapons Seizures for Officer Career for Three Lag Periods, New York City, 2006–15 (IRR, 95% Credible Interval)

Appendix Table 5. Bayesian Poisson Regression for “Hits” for Contraband Seizures for Officer Career for Three Lag Periods, New York City, 2006–15 (IRR, 95% Creible Interval)

**Appendix Table 1. Random Effects Poisson Regression of "Hits" over Officer Stop Career for Three Lag Periods, New York City, 2006-16 (IRR, SE, p)**

	Arrests/Summons			Weapons/Contraband			Weapons			Contraband		
	1	2	3	1	2	3	1	2	3	1	2	3
Hit_Lag1	1.075*** (0.004)	1.102*** (0.005)	1.099*** (0.005)	1.133*** (0.019)	1.118*** (0.017)	1.113*** (0.016)	1.124** (0.050)	1.113** (0.038)	1.100** (0.037)	1.174*** (0.028)	1.144*** (0.024)	1.136*** (0.022)
Hit_Lag2	1.042*** (0.003)	1.054*** (0.003)	1.052*** (0.003)	1.083*** (0.015)	1.065*** (0.014)	1.060*** (0.014)	1.111** (0.041)	1.100** (0.034)	1.088** (0.032)	1.092*** (0.021)	1.062*** (0.019)	1.055** (0.018)
Hit_Lag3	1.027*** (0.003)	1.037*** (0.003)	1.035*** (0.003)	1.077*** (0.014)	1.058*** (0.012)	1.054*** (0.012)	1.079* (0.034)	1.060* (0.026)	1.051* (0.025)	1.098*** (0.021)	1.069*** (0.018)	1.061*** (0.017)
Borough_Brooklyn	1.000 (.)	1.000 (.)	1.000 (.)	1.000 (.)	1.000 (.)	1.000 (.)	1.000 (.)	1.000 (.)	1.000 (.)	1.000 (.)	1.000 (.)	1.000 (.)
Borough_Bronx	1.300*** (0.047)	1.294*** (0.046)	1.255*** (0.047)	1.412*** (0.081)	1.248*** (0.075)	1.215** (0.076)	1.231** (0.085)	1.066 (0.079)	1.017 (0.078)	1.592*** (0.128)	1.395*** (0.119)	1.364*** (0.112)
Borough_Manhattan	1.501*** (0.048)	1.432*** (0.043)	1.390*** (0.042)	1.704*** (0.107)	1.547*** (0.099)	1.460*** (0.093)	1.413** (0.169)	1.199 (0.140)	1.155 (0.124)	1.935*** (0.134)	1.808*** (0.130)	1.682*** (0.122)
Borough_Queens	1.223*** (0.041)	1.194*** (0.044)	1.205*** (0.043)	1.126 (0.071)	1.031 (0.064)	1.053 (0.063)	1.056 (0.089)	0.911 (0.070)	0.952 (0.068)	1.226** (0.095)	1.128 (0.093)	1.122 (0.090)
Borough_Staten Island	1.007 (0.084)	0.988 (0.075)	0.959 (0.072)	0.859 (0.117)	0.917 (0.112)	0.846 (0.103)	0.612** (0.099)	0.684** (0.097)	0.691* (0.100)	1.114 (0.176)	1.105 (0.163)	0.996 (0.142)
Borough_Movers	1.205*** (0.030)	1.164*** (0.027)	1.152*** (0.026)	1.628*** (0.084)	1.322*** (0.064)	1.299*** (0.061)	1.755*** (0.162)	1.247** (0.103)	1.240** (0.095)	1.479*** (0.081)	1.333*** (0.072)	1.296*** (0.068)
Year of Stop		1.028*** (0.004)	1.030*** (0.004)		1.114*** (0.009)	1.120*** (0.009)		1.131*** (0.011)	1.135*** (0.011)		1.113*** (0.015)	1.118*** (0.015)
Total Month Tenure		1.005*** (0.000)	1.005*** (0.000)		1.004*** (0.001)	1.004*** (0.001)		0.999 (0.001)	0.999 (0.001)		1.009*** (0.001)	1.009*** (0.001)
Stop After Floyd Class Cert		0.885*** (0.014)	0.885*** (0.014)		0.959 (0.030)	0.957 (0.030)		0.997 (0.040)	1.000 (0.041)		0.961 (0.047)	0.957 (0.045)
Officer Start After Floyd Class Cert		1.176* (0.085)	1.171* (0.083)		1.358** (0.144)	1.379** (0.144)		1.132 (0.188)	1.151 (0.188)		1.640*** (0.222)	1.652*** (0.222)
Number of Stops		0.983*** (0.001)	0.983*** (0.001)		0.973** (0.002)	0.973*** (0.002)		0.973** (0.003)	0.973*** (0.003)		0.974** (0.003)	0.974*** (0.003)
Number of Stops_Lag1		0.983*** (0.001)	0.984*** (0.001)		0.995*** (0.001)	0.996** (0.001)		0.998 (0.002)	0.999 (0.002)		0.997 (0.002)	0.998 (0.002)
Number of Stops_Lag2		0.992*** (0.001)	0.992*** (0.001)		1.000 (0.001)	1.000 (0.001)		0.999 (0.002)	1.000 (0.002)		1.002 (0.002)	1.003 (0.002)
Number of Stops_Lag3		0.992*** (0.001)	0.992*** (0.001)		0.996** (0.001)	0.997* (0.001)		1.000 (0.002)	1.002 (0.002)		0.996* (0.002)	0.996 (0.002)

Search Rate_Lag1	1.164 <sup>***</sup> (0.026)	1.152 <sup>***</sup> (0.026)	1.452 <sup>***</sup> (0.089)	1.420 <sup>***</sup> (0.085)	1.385 <sup>***</sup> (0.135)	1.342 <sup>**</sup> (0.127)	1.627 <sup>***</sup> (0.142)	1.582 <sup>***</sup> (0.136)
Search Rate_Lag2	1.142 <sup>***</sup> (0.025)	1.135 <sup>***</sup> (0.025)	1.358 <sup>***</sup> (0.069)	1.334 <sup>***</sup> (0.066)	1.322 <sup>***</sup> (0.111)	1.292 <sup>**</sup> (0.108)	1.475 <sup>***</sup> (0.099)	1.445 <sup>***</sup> (0.096)
Search Rate_Lag3	1.135 <sup>***</sup> (0.024)	1.130 <sup>***</sup> (0.024)	1.270 <sup>***</sup> (0.061)	1.254 <sup>***</sup> (0.059)	1.267 <sup>**</sup> (0.096)	1.253 <sup>**</sup> (0.094)	1.342 <sup>***</sup> (0.091)	1.321 <sup>***</sup> (0.089)
Frisk Rate_Lag1	1.035 <sup>*</sup> (0.015)	1.040 <sup>**</sup> (0.016)	1.206 <sup>***</sup> (0.039)	1.236 <sup>***</sup> (0.042)	1.278 <sup>***</sup> (0.054)	1.217 <sup>***</sup> (0.053)	1.201 <sup>***</sup> (0.056)	1.286 <sup>***</sup> (0.068)
Frisk Rate_Lag2	1.025 (0.015)	1.036 <sup>*</sup> (0.016)	1.100 <sup>**</sup> (0.034)	1.116 <sup>***</sup> (0.037)	1.103 <sup>*</sup> (0.045)	1.062 (0.044)	1.114 <sup>*</sup> (0.052)	1.175 <sup>**</sup> (0.062)
Frisk Rate_Lag3	1.017 (0.014)	1.035 <sup>*</sup> (0.015)	1.071 <sup>*</sup> (0.030)	1.107 <sup>***</sup> (0.034)	1.116 <sup>**</sup> (0.041)	1.097 <sup>*</sup> (0.042)	1.067 (0.045)	1.139 <sup>**</sup> (0.056)
Percent Stops as Patrol Officer_Lag1	0.825 <sup>**</sup> (0.052)	0.827 <sup>**</sup> (0.052)	1.113 (0.127)	1.132 (0.128)	0.965 (0.169)	0.961 (0.166)	1.181 (0.176)	1.216 (0.181)
Percent Stops as Patrol Officer_Lag2	1.159 (0.105)	1.153 (0.105)	0.730 (0.129)	0.722 (0.128)	0.677 (0.216)	0.687 (0.214)	0.732 (0.152)	0.719 (0.151)
Percent Stops as Patrol Officer_Lag3	0.974 (0.057)	0.976 (0.057)	1.031 (0.138)	1.030 (0.138)	1.073 (0.245)	1.067 (0.237)	1.038 (0.187)	1.037 (0.190)
Percent Stops as Housing Officer_Lag1	1.069 (0.253)	1.055 (0.246)	2.478 <sup>*</sup> (1.072)	2.340 <sup>*</sup> (0.992)	0.903 (0.807)	0.921 (0.851)	3.566 <sup>**</sup> (1.396)	3.362 <sup>**</sup> (1.277)
Percent Stops as Housing Officer_Lag2	1.241 (0.396)	1.238 (0.390)	0.497 (0.318)	0.503 (0.312)	0.344 (0.440)	0.347 (0.455)	0.540 (0.303)	0.543 (0.290)
Percent Stops as Housing Officer_Lag3	0.935 (0.197)	0.922 (0.190)	0.813 (0.439)	0.783 (0.414)	1.343 (1.124)	1.305 (1.088)	0.753 (0.343)	0.730 (0.330)
Percent Stops as Transit Officer_Lag1	1.141 (0.432)	1.161 (0.435)	1.604 (0.561)	1.708 (0.593)	1.827 (0.661)	1.826 (0.627)	0.977 (0.519)	1.041 (0.572)
Percent Stops as Transit Officer_Lag2	0.773 (0.354)	0.770 (0.352)	0.928 (0.345)	0.922 (0.348)	0.947 (0.348)	0.957 (0.345)	2.191 (1.402)	2.318 (1.506)
Percent Stops as Transit Officer_Lag3	0.740 (0.171)	0.751 (0.175)	1.232 (0.195)	1.232 (0.194)	1.503 <sup>*</sup> (0.255)	1.519 <sup>*</sup> (0.248)	0.178 <sup>***</sup> (0.059)	0.175 <sup>***</sup> (0.059)
Percent Probable Cause Stops_Lag1		0.930 <sup>***</sup> (0.013)		0.973 (0.025)		0.914 <sup>*</sup> (0.032)		1.018 (0.037)
Percent Probable Cause Stops_Lag2		0.974 <sup>*</sup>		0.943 <sup>*</sup>		0.906 <sup>**</sup>		0.963

	(0.013)	(0.025)	(0.035)	(0.035)
Percent Probable Cause Stops_Lag3	0.986 (0.013)	0.949* (0.025)	0.943 (0.034)	0.946 (0.033)
Percent Drug Stops_Lag1	1.133*** (0.026)	1.235*** (0.057)	1.038 (0.078)	1.288*** (0.082)
Percent Drug Stops_Lag2	1.085*** (0.024)	1.200*** (0.058)	0.976 (0.079)	1.328*** (0.087)
Percent Drug Stops_Lag3	1.090*** (0.025)	1.181** (0.060)	0.975 (0.075)	1.263** (0.090)
Percent Weapons Stops_Lag1	1.039* (0.019)	1.013 (0.035)	1.187*** (0.057)	0.906* (0.044)
Percent Weapons Stops_Lag2	1.020 (0.019)	1.034 (0.038)	1.083 (0.053)	0.979 (0.052)
Percent Weapons Stops_Lag3	0.962* (0.017)	0.943 (0.031)	1.039 (0.050)	0.873** (0.039)
Percent Violent Crime Stops_Lag1	0.980 (0.021)	0.890** (0.038)	0.960 (0.054)	0.829** (0.054)
Percent Violent Crime Stops_Lag2	0.976 (0.021)	0.957 (0.043)	0.914 (0.054)	0.965 (0.063)
Percent Violent Crime Stops_Lag3	0.942** (0.020)	0.904* (0.039)	0.975 (0.057)	0.849** (0.049)
Percent Property Crime Stops_Lag1	0.972 (0.020)	0.891* (0.042)	0.952 (0.060)	0.862* (0.054)
Percent Property Crime Stops_Lag2	1.004 (0.021)	0.914* (0.042)	0.879 (0.059)	0.937 (0.056)
Percent Property Crime Stops_Lag3	0.990 (0.020)	0.956 (0.041)	0.892 (0.057)	1.019 (0.056)
Percent Trespass Stops_Lag1	0.973 (0.024)	1.040 (0.054)	0.915 (0.084)	1.065 (0.070)
Percent Trespass Stops_Lag2	1.006	1.059	0.830*	1.160*

			(0.023)			(0.053)			(0.074)			(0.073)
Percent Trespass Stops_Lag3			1.017			1.057			0.945			1.085
			(0.024)			(0.051)			(0.079)			(0.064)
Percent Black Suspects_Lag1			0.981			0.890**			0.860**			0.923
			(0.019)			(0.036)			(0.045)			(0.050)
Percent Black Suspects_Lag2			0.978			0.910*			0.950			0.878*
			(0.018)			(0.036)			(0.047)			(0.046)
Percent Black Suspects_Lag3			0.980			0.904*			0.899			0.906
			(0.019)			(0.036)			(0.053)			(0.046)
Percent Latinx Suspects_Lag1			1.003			0.875**			0.813**			0.924
			(0.021)			(0.045)			(0.057)			(0.060)
Percent Latinx Suspects_Lag2			0.997			0.906*			0.890			0.908
			(0.020)			(0.044)			(0.055)			(0.059)
Percent Latinx Suspects_Lag3			0.981			0.880**			0.822**			0.931
			(0.021)			(0.043)			(0.058)			(0.056)
Percent Male Stops_Lag1			0.935**			0.972			1.167			0.875
			(0.021)			(0.053)			(0.095)			(0.060)
Percent Male Stops_Lag2			0.984			0.998			1.051			1.017
			(0.022)			(0.054)			(0.086)			(0.072)
Percent Male Stops_Lag3			1.015			1.099			1.098			1.114
			(0.022)			(0.057)			(0.091)			(0.074)
Percent 16-24 Suspects_Lag1			0.933***			0.969			0.976			0.974
			(0.012)			(0.025)			(0.036)			(0.033)
Percent 16-24 Suspects_Lag2			0.943***			0.965			1.005			0.934
			(0.012)			(0.025)			(0.036)			(0.033)
Percent 16-24 Suspects_Lag3			0.974*			0.957			0.932*			0.999
			(0.012)			(0.024)			(0.033)			(0.034)
Constant	0.078***	0.000***	0.000***	0.015***	0.000***	0.000***	0.008***	0.000***	0.000***	0.008***	0.000***	0.000***
	(0.002)	0.000	0.000	(0.001)	0.000	0.000	0.000	0.000	0.000	(0.001)	0.000	0.000
N	200535			200535			200535			200535		

Notes. Contraband includes drugs, stolen property, or other unauthorized possession of goods. Results shown as IRR.

Significance: \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

**Appendix Table 2. Bayesian Poisson Regression for “Hits” for Arrests or Summons Issued for Officer Career for Three Lag Periods, New York City, 2006–15 (IRR, 95% Credible Interval)**

	Model								
	1			2			3		
	Est.	95% Cred. Interval		Est.	95% Cred. Interval		Est.	95% Cred. Interval	
Hit_Lag1	1.099	1.097	1.101	1.140	1.139	1.140	1.136	1.135	1.136
Hit_Lag2	1.052	1.050	1.055	1.075	1.074	1.075	1.073	1.073	1.073
Hit_Lag3	1.043	1.041	1.046	1.066	1.065	1.066	1.063	1.063	1.063
Borough_Brooklyn	Omitted			Omitted			Omitted		
Borough_Bronx	1.284	1.257	1.310	1.125	1.124	1.125	1.100	1.099	1.100
Borough_Manhatta	1.570	1.540	1.600	1.307	1.307	1.308	1.277	1.277	1.277
Borough_Queens	1.222	1.199	1.247	1.064	1.064	1.064	1.098	1.098	1.098
Borough_Staten Isl	0.947	0.910	0.986	0.877	0.877	0.877	0.846	0.846	0.846
Borough_Movers	1.228	1.214	1.245	1.101	1.100	1.101	1.100	1.100	1.100
Year of Stop				1.021	1.021	1.022	1.028	1.028	1.028
Total Month Tenure				1.003	1.003	1.003	1.003	1.003	1.003
Stop After Floyd Class Cert				0.881	0.881	0.882	0.877	0.877	0.877
Officer Start After Floyd Class Cert				1.127	1.127	1.127	1.132	1.131	1.132
Number of Stops				0.985	0.985	0.986	0.985	0.984	0.985
Number of Stops_Lag1				0.978	0.978	0.978	0.979	0.979	0.979
Number of Stops_Lag2				0.989	0.989	0.989	0.990	0.990	0.991
Number of Stops_Lag3				0.989	0.988	0.989	0.989	0.989	0.989
Search Rate_Lag1				1.216	1.216	1.216	1.201	1.201	1.202
Search Rate_Lag2				1.189	1.188	1.189	1.178	1.177	1.178
Search Rate_Lag3				1.146	1.146	1.146	1.137	1.137	1.138
Frisk Rate_Lag1				1.049	1.049	1.049	1.061	1.060	1.061
Frisk Rate_Lag2				1.043	1.043	1.043	1.061	1.060	1.061
Frisk Rate_Lag3				1.033	1.033	1.033	1.059	1.059	1.060
Percent Stops as Patrol Officer_Lag1				0.842	0.842	0.842	0.843	0.843	0.844
Percent Stops as Patrol Officer_Lag2				1.242	1.242	1.242	1.224	1.224	1.225
Percent Stops as Patrol Officer_Lag3				0.866	0.865	0.866	0.884	0.884	0.884
Percent Stops as Housing Officer_Lag1				1.029	1.029	1.029	1.020	1.020	1.021
Percent Stops as Housing Officer_Lag2				1.265	1.265	1.265	1.243	1.243	1.244
Percent Stops as Housing Officer_Lag3				0.853	0.853	0.854	0.825	0.824	0.825
Percent Stops as Transit Officer_Lag1				1.794	1.793	1.794	1.865	1.865	1.866
Percent Stops as Transit Officer_Lag2				0.956	0.956	0.957	0.954	0.954	0.955
Percent Stops as Transit Officer_Lag3				0.430	0.430	0.430	0.431	0.431	0.431
Percent Probable Cause Stops_Lag1							0.942	0.942	0.943

Percent Probable Cause Stops_Lag2							0.990	0.990	0.990
Percent Probable Cause Stops_Lag3							0.995	0.994	0.995
Percent Drug Stops_Lag1							1.152	1.151	1.152
Percent Drug Stops_Lag2							1.103	1.103	1.103
Percent Drug Stops_Lag3							1.148	1.147	1.148
Percent Weapons Stops_Lag1							1.053	1.052	1.053
Percent Weapons Stops_Lag2							1.034	1.034	1.034
Percent Weapons Stops_Lag3							0.985	0.984	0.985
Percent Violent Crime Stops_Lag1							0.943	0.943	0.943
Percent Violent Crime Stops_Lag2							0.950	0.950	0.951
Percent Violent Crime Stops_Lag3							0.920	0.920	0.920
Percent Property Crime Stops_Lag1							0.948	0.948	0.948
Percent Property Crime Stops_Lag2							1.003	1.003	1.004
Percent Property Crime Stops_Lag3							1.004	1.004	1.004
Percent Trespass Stops_Lag1							0.999	0.999	0.999
Percent Trespass Stops_Lag2							1.029	1.029	1.030
Percent Trespass Stops_Lag3							1.061	1.061	1.062
Percent Black Suspects_Lag1							0.973	0.953	0.993
Percent Black Suspects_Lag2							0.986	0.961	1.013
Percent Black Suspects_Lag3							0.989	0.970	1.010
Percent Latinx Suspects_Lag1							0.989	0.969	1.008
Percent Latinx Suspects_Lag2							0.999	0.969	1.026
Percent Latinx Suspects_Lag3							0.973	0.955	0.994
Percent Male Stops_Lag1							0.941	0.916	0.969
Percent Male Stops_Lag2							0.985	0.959	1.004
Percent Male Stops_Lag3							0.991	0.958	1.022
Percent 16-24 Suspects_Lag1							0.910	0.889	0.928
Percent 16-24 Suspects_Lag2							0.930	0.911	0.948
Percent 16-24 Suspects_Lag3							0.976	0.957	0.995
Constant	0.077	0.076	0.077	0.000	0.000	0.000	0.000	0.000	0.000

*N* 200535 200535 200535

Notes. Random-walk Metropolis-Hastings sampling. Contraband includes drugs, stolen property, or other unauthorized property possession. Non-informative, default priors are used to estimate model parameters. There is a high autocorrelation after 500 lags. Controls for year of stop, year of officer first stop, reason for stop, officer command, percent of stops of persons ages 16-24, percent of stops by suspect race or ethnicity, suspected crime, borough of stop, and *Floyd* litigation year.

**Appendix Table 3. Bayesian Poisson Regression for “Hits” for Weapons or Contraband Seizures for Officer Career for Three Lag Periods, New York City, 2006–15 (IRR, 95% Credible Interval)**

	Model								
	1			2			3		
	Est.	95% Cred. Interval		Est.	95% Cred. Interval		Est.	95% Cred. Interval	
Hit_Lag1	1.237	1.229	1.244	1.202	1.199	1.206	1.194	1.193	1.195
Hit_Lag2	1.161	1.153	1.170	1.136	1.133	1.139	1.131	1.129	1.131
Hit_Lag3	1.166	1.158	1.174	1.122	1.117	1.127	1.117	1.116	1.118
Borough_Brooklyn	Omitted			Omitted			Omitted		
Borough_Bronx	1.328	1.271	1.384	1.081	1.078	1.084	1.087	1.084	1.090
Borough_Manhattan	1.610	1.547	1.672	1.378	1.370	1.387	1.315	1.313	1.316
Borough_Queens	1.103	1.078	1.126	0.948	0.934	0.959	0.999	0.998	1.000
Borough_Staten Island	0.930	0.833	1.031	0.945	0.926	0.967	0.863	0.863	0.864
Borough_Movers	1.404	1.371	1.439	1.188	1.174	1.200	1.187	1.185	1.188
Year of Stop				1.087	1.087	1.087	1.087	1.087	1.087
Total Month Tenure				1.003	1.003	1.004	1.003	1.002	1.003
Stop After Floyd Class Cert				1.049	1.037	1.060	1.035	1.034	1.036
Officer Start After Floyd Class Cert				1.188	1.179	1.196	1.228	1.226	1.230
Number of Stops				0.979	0.978	0.981	0.978	0.977	0.979
Number of Stops_Lag1				0.995	0.994	0.997	0.996	0.995	0.997
Number of Stops_Lag2				0.999	0.997	1.001	1.000	1.000	1.001
Number of Stops_Lag3				0.997	0.995	0.999	0.999	0.998	1.000
Search Rate_Lag1				1.654	1.648	1.661	1.613	1.611	1.614
Search Rate_Lag2				1.476	1.473	1.481	1.424	1.421	1.426
Search Rate_Lag3				1.314	1.302	1.325	1.284	1.281	1.285
Frisk Rate_Lag1				1.252	1.250	1.255	1.317	1.316	1.318
Frisk Rate_Lag2				1.138	1.126	1.150	1.176	1.176	1.177
Frisk Rate_Lag3				1.115	1.106	1.124	1.180	1.178	1.181
Percent Stops as Patrol Officer_Lag1				1.032	1.022	1.042	1.077	1.076	1.078
Percent Stops as Patrol Officer_Lag2				0.818	0.814	0.822	0.798	0.797	0.799
Percent Stops as Patrol Officer_Lag3				0.936	0.933	0.939	0.961	0.960	0.962
Percent Stops as Housing Officer_Lag1				1.891	1.873	1.908	1.927	1.925	1.929
Percent Stops as Housing Officer_Lag2				0.515	0.511	0.519	0.520	0.520	0.521
Percent Stops as Housing Officer_Lag3				0.993	0.986	1.000	0.900	0.899	0.901
Percent Stops as Transit Officer_Lag1				0.885	0.880	0.889	1.144	1.142	1.144
Percent Stops as Transit Officer_Lag2				0.866	0.865	0.867	0.778	0.777	0.779
Percent Stops as Transit Officer_Lag3				1.632	1.611	1.653	1.581	1.580	1.582
Percent Probable Cause Stops_Lag1							0.970	0.969	0.972



Percent Probable Cause Stops_Lag2							0.928	0.927	0.929
Percent Probable Cause Stops_Lag3							0.943	0.942	0.944
Percent Drug Stops_Lag1							1.321	1.320	1.322
Percent Drug Stops_Lag2							1.289	1.287	1.290
Percent Drug Stops_Lag3							1.290	1.289	1.291
Percent Weapons Stops_Lag1							0.951	0.951	0.952
Percent Weapons Stops_Lag2							1.001	1.000	1.002
Percent Weapons Stops_Lag3							0.902	0.902	0.903
Percent Violent Crime Stops_Lag1							0.850	0.849	0.850
Percent Violent Crime Stops_Lag2							0.928	0.928	0.929
Percent Violent Crime Stops_Lag3							0.895	0.894	0.895
Percent Property Crime Stops_Lag1							0.813	0.813	0.814
Percent Property Crime Stops_Lag2							0.860	0.858	0.862
Percent Property Crime Stops_Lag3							0.909	0.908	0.910
Percent Trespass Stops_Lag1							1.058	1.057	1.059
Percent Trespass Stops_Lag2							1.046	1.044	1.047
Percent Trespass Stops_Lag3							1.074	1.073	1.076
Percent Black Suspects_Lag1							0.834	0.807	0.862
Percent Black Suspects_Lag2							0.868	0.824	0.912
Percent Black Suspects_Lag3							0.872	0.839	0.903
Percent Latinx Suspects_Lag1							0.817	0.781	0.854
Percent Latinx Suspects_Lag2							0.844	0.801	0.889
Percent Latinx Suspects_Lag3							0.833	0.796	0.873
Percent Male Stops_Lag1							1.026	0.963	1.083
Percent Male Stops_Lag2							1.066	1.019	1.114
Percent Male Stops_Lag3							1.158	1.126	1.190
Percent 16-24 Suspects_Lag1							0.933	0.908	0.959
Percent 16-24 Suspects_Lag2							0.944	0.911	0.979
Percent 16-24 Suspects_Lag3							0.939	0.902	0.976
Constant	0.017	0.017	0.017	0.000	0.000	0.000	0.000	0.000	0.000
<i>N</i>	200535			200535			200535		

Notes. Random-walk Metropolis-Hastings sampling. Contraband includes drugs, stolen property, or other unauthorized property possession. Non-informative, default priors are used to estimate model parameters. There is a high autocorrelation after 500 lags. Controls for year of stop, year of officer first stop, reason for stop, officer command, percent of stops of persons ages 16-24, percent of stops by suspect race or ethnicity, suspected crime, borough of stop, and *Floyd* litigation year.

**Appendix Table 4. Bayesian Poisson Regression for “Hits” for Weapons Seizures for Officer Career for Three Lag Periods, New York City, 2006–15 (IRR, 95% Credible Interval)**

	Model								
	Est.	1 95% Cred. Interval		Est.	2 95% Cred. Interval		Est.	3 95% Cred. Interval	
Hit_Lag1	1.260	1.244	1.276	1.183	1.176	1.189	1.168	1.168	1.169
Hit_Lag2	1.261	1.246	1.277	1.191	1.177	1.205	1.173	1.172	1.174
Hit_Lag3	1.178	1.163	1.194	1.107	1.099	1.115	1.094	1.093	1.095
Borough_Brooklyn	Omitted			Omitted			Omitted		
Borough_Bronx	1.236	1.158	1.316	0.951	0.916	0.987	0.905	0.904	0.906
Borough_Manhattar	1.287	1.199	1.380	1.088	1.076	1.099	1.057	1.056	1.057
Borough_Queens	1.102	1.032	1.177	0.912	0.877	0.948	0.969	0.968	0.970
Borough Staten Isla	0.673	0.548	0.806	0.677	0.649	0.713	0.716	0.715	0.716
Borough_Movers	1.451	1.394	1.515	1.151	1.129	1.173	1.169	1.169	1.170
Year of Stop				1.131	1.131	1.131	1.122	1.122	1.122
Total Month Tenure				0.999	0.998	0.999	0.999	0.998	0.999
Stop After Floyd Class Cert				1.069	1.033	1.107	1.081	1.081	1.083
Officer Start After Floyd Class Cert				0.969	0.959	0.980	0.991	0.990	0.992
Number of Stops				0.976	0.974	0.977	0.975	0.974	0.976
Number of Stops_Lag1				0.997	0.995	1.000	0.998	0.998	0.999
Number of Stops_Lag2				0.997	0.994	1.000	1.000	0.999	1.001
Number of Stops_Lag3				0.999	0.997	1.002	1.001	1.001	1.002
Search Rate_Lag1				1.610	1.596	1.625	1.556	1.554	1.557
Search Rate_Lag2				1.461	1.418	1.510	1.419	1.418	1.421
Search Rate_Lag3				1.314	1.265	1.369	1.287	1.285	1.288
Frisk Rate_Lag1				1.327	1.311	1.343	1.249	1.248	1.250
Frisk Rate_Lag2				1.149	1.106	1.203	1.083	1.083	1.084
Frisk Rate_Lag3				1.158	1.134	1.180	1.137	1.135	1.137
Percent Stops as Patrol Officer_Lag1				0.788	0.768	0.808	0.818	0.818	0.818
Percent Stops as Patrol Officer_Lag2				0.791	0.778	0.805	0.788	0.788	0.789
Percent Stops as Patrol Officer_Lag3				0.919	0.897	0.941	0.967	0.967	0.968
Percent Stops as Housing Officer_Lag1				0.802	0.771	0.834	0.832	0.832	0.833
Percent Stops as Housing Officer_Lag2				0.362	0.350	0.376	0.345	0.345	0.345
Percent Stops as Housing Officer_Lag3				1.151	1.076	1.219	1.235	1.233	1.236
Percent Stops as Transit Officer_Lag1				0.998	0.979	1.017	1.148	1.148	1.149
Percent Stops as Transit Officer_Lag2				0.901	0.896	0.909	0.866	0.865	0.867
Percent Stops as Transit Officer_Lag3				2.070	2.017	2.125	2.116	2.114	2.117
Percent Probable Cause Stops_Lag1							0.882	0.881	0.882

Percent Probable Cause Stops_Lag2							0.878	0.878	0.879
Percent Probable Cause Stops_Lag3							0.917	0.916	0.918
Percent Drug Stops_Lag1							0.991	0.990	0.993
Percent Drug Stops_Lag2							0.975	0.975	0.976
Percent Drug Stops_Lag3							0.936	0.936	0.937
Percent Weapons Stops_Lag1							1.132	1.132	1.133
Percent Weapons Stops_Lag2							1.053	1.052	1.054
Percent Weapons Stops_Lag3							0.994	0.992	0.994
Percent Violent Crime Stops_Lag1							0.937	0.937	0.938
Percent Violent Crime Stops_Lag2							0.906	0.905	0.906
Percent Violent Crime Stops_Lag3							0.968	0.967	0.968
Percent Property Crime Stops_Lag1							0.829	0.828	0.830
Percent Property Crime Stops_Lag2							0.800	0.799	0.801
Percent Property Crime Stops_Lag3							0.787	0.787	0.788
Percent Trespass Stops_Lag1							0.818	0.818	0.819
Percent Trespass Stops_Lag2							0.753	0.753	0.754
Percent Trespass Stops_Lag3							0.872	0.871	0.872
Percent Black Suspects_Lag1							0.822	0.767	0.879
Percent Black Suspects_Lag2							0.950	0.873	1.024
Percent Black Suspects_Lag3							0.877	0.815	0.949
Percent Latinx Suspects_Lag1							0.745	0.684	0.806
Percent Latinx Suspects_Lag2							0.860	0.789	0.934
Percent Latinx Suspects_Lag3							0.787	0.721	0.856
Percent Male Stops_Lag1							1.189	1.127	1.258
Percent Male Stops_Lag2							1.122	1.061	1.186
Percent Male Stops_Lag3							1.198	1.085	1.321
Percent 16-24 Suspects_Lag1							0.978	0.925	1.033
Percent 16-24 Suspects_Lag2							0.996	0.941	1.056
Percent 16-24 Suspects_Lag3							0.933	0.882	0.991
Constant	0.008	0.008	0.009	0.000	0.000	0.000	0.000	0.000	0.000

---

<i>N</i>	200535	200535	200535
----------	--------	--------	--------

---

Notes. Random-walk Metropolis-Hastings sampling. Contraband includes drugs, stolen property, or other unauthorized property possession. Non-informative, default priors are used to estimate model parameters. There is a high autocorrelation after 500 lags. Controls for year of stop, year of officer first stop, reason for stop, officer command, percent of stops of persons ages 16-24, percent of stops by suspect race or ethnicity, suspected crime, borough of stop, and *Floyd* litigation year.

---

**Appendix Table 5. Bayesian Poisson Regression for “Hits” for Contraband Seizures for Officer Career for Three Lag Periods, New York City, 2006–15 (IRR, 95% Credible Interval)**

	Model								
	Est.	1 95% Cred. Interval		Est.	2 95% Cred. Interval		Est.	3 95% Cred. Interval	
Hit_Lag1	1.307	1.296	1.316	1.258	1.249	1.265	1.238	1.237	1.238
Hit_Lag2	1.163	1.152	1.174	1.126	1.115	1.137	1.119	1.119	1.120
Hit_Lag3	1.229	1.218	1.241	1.166	1.158	1.174	1.155	1.154	1.155
Borough_Brooklyn	Omitted			Omitted			Omitted		
Borough_Bronx	1.355	1.275	1.436	1.146	1.090	1.209	1.183	1.182	1.184
Borough_Manhattar	1.808	1.716	1.913	1.552	1.509	1.594	1.493	1.492	1.494
Borough_Queens	1.079	1.026	1.133	0.987	0.947	1.029	1.043	1.043	1.044
Borough_Staten Isla	1.100	0.978	1.243	1.120	1.074	1.168	0.969	0.968	0.969
Borough_Movers	1.385	1.334	1.438	1.237	1.214	1.256	1.215	1.214	1.215
Year of Stop				1.074	1.074	1.074	1.082	1.082	1.082
Total Month Tenure				1.007	1.007	1.008	1.006	1.006	1.007
Stop After Floyd Class Cert				1.039	1.020	1.060	1.016	1.015	1.017
Officer Start After Floyd Class Cert				1.463	1.446	1.481	1.538	1.537	1.539
Number of Stops				0.982	0.980	0.985	0.982	0.981	0.982
Number of Stops_Lag1				0.998	0.996	1.001	1.000	0.999	1.001
Number of Stops_Lag2				1.004	1.002	1.007	1.006	1.005	1.007
Number of Stops_Lag3				0.999	0.997	1.001	0.999	0.999	1.000
Search Rate_Lag1				1.862	1.777	1.936	1.824	1.823	1.826
Search Rate_Lag2				1.543	1.515	1.567	1.492	1.490	1.493
Search Rate_Lag3				1.383	1.320	1.455	1.336	1.335	1.337
Frisk Rate_Lag1				1.278	1.245	1.314	1.373	1.372	1.374
Frisk Rate_Lag2				1.127	1.068	1.178	1.264	1.263	1.265
Frisk Rate_Lag3				1.114	1.069	1.140	1.205	1.204	1.206
Percent Stops as Patrol Officer_Lag1				1.278	1.241	1.318	1.296	1.295	1.296
Percent Stops as Patrol Officer_Lag2				0.779	0.755	0.810	0.746	0.746	0.747
Percent Stops as Patrol Officer_Lag3				0.996	0.961	1.032	1.020	1.020	1.021
Percent Stops as Housing Officer_Lag1				2.926	2.763	3.086	2.969	2.967	2.972
Percent Stops as Housing Officer_Lag2				0.522	0.513	0.534	0.534	0.534	0.534
Percent Stops as Housing Officer_Lag3				1.019	0.978	1.065	0.862	0.862	0.863
Percent Stops as Transit Officer_Lag1				1.152	1.128	1.168	1.279	1.279	1.280
Percent Stops as Transit Officer_Lag2				1.901	1.871	1.941	2.019	2.018	2.020
Percent Stops as Transit Officer_Lag3				0.198	0.196	0.201	0.186	0.185	0.186
Percent Probable Cause Stops_Lag1							1.028	1.027	1.030

Percent Probable Cause Stops_Lag2							0.970	0.970	0.971
Percent Probable Cause Stops_Lag3							0.936	0.935	0.937
Percent Drug Stops_Lag1							1.425	1.424	1.426
Percent Drug Stops_Lag2							1.450	1.449	1.451
Percent Drug Stops_Lag3							1.439	1.438	1.440
Percent Weapons Stops_Lag1							0.885	0.884	0.885
Percent Weapons Stops_Lag2							0.943	0.942	0.943
Percent Weapons Stops_Lag3							0.881	0.880	0.882
Percent Violent Crime Stops_Lag1							0.765	0.764	0.765
Percent Violent Crime Stops_Lag2							0.895	0.894	0.895
Percent Violent Crime Stops_Lag3							0.835	0.834	0.835
Percent Property Crime Stops_Lag1							0.858	0.858	0.859
Percent Property Crime Stops_Lag2							0.939	0.937	0.940
Percent Property Crime Stops_Lag3							1.041	1.041	1.042
Percent Trespass Stops_Lag1							1.158	1.157	1.158
Percent Trespass Stops_Lag2							1.192	1.191	1.192
Percent Trespass Stops_Lag3							1.158	1.157	1.158
Percent Black Suspects_Lag1							0.865	0.820	0.908
Percent Black Suspects_Lag2							0.802	0.752	0.861
Percent Black Suspects_Lag3							0.857	0.803	0.911
Percent Latinx Suspects_Lag1							0.872	0.819	0.927
Percent Latinx Suspects_Lag2							0.828	0.774	0.888
Percent Latinx Suspects_Lag3							0.872	0.810	0.936
Percent Male Stops_Lag1							0.937	0.877	0.997
Percent Male Stops_Lag2							1.113	1.031	1.204
Percent Male Stops_Lag3							1.167	1.071	1.270
Percent 16-24 Suspects_Lag1							0.944	0.898	0.988
Percent 16-24 Suspects_Lag2							0.887	0.843	0.932
Percent 16-24 Suspects_Lag3							0.944	0.904	0.985
Constant	0.011	0.010	0.011	0.000	0.000	0.000	0.000	0.000	0.000
<i>N</i>	200535			200535			200535		

Notes. Random-walk Metropolitan-Hastings sampling. Contraband includes drugs, stolen property, or other unauthorized property possession. Non-informative, default priors are used to estimate model parameters. There is a high autocorrelation after 500 lags. Controls for year of stop, year of officer first stop, reason for stop, officer command, percent of stops of persons ages 16-24, percent of stops by suspect race or ethnicity, suspected crime, borough of stop, and *Floyd* litigation year.