Suspect Citizens
What 20 Million Traffic Stops Tells Us about Policing and Race

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Appendix to Chapter 9

Reforms that Reduce Alienation and Enhance Community Safety

Logistic Regressions

The tables below provide the results for which only the race coefficients are reported in Table 9.2 above. We do not report the coefficients for stop purpose, day of week, hour, or the fixed effect coefficients for the top 25 agencies, but indicate their inclusion in the model by a Y in the tables below. When we move from All stops to Safety stops only, the coefficients for blacks move toward 1.00, indicating lower levels of disparity between white and black drivers.

Table A9.1 Outcome Logistic Regressions with Fixed Effects for Agencies (Top 25 Agencies Only)

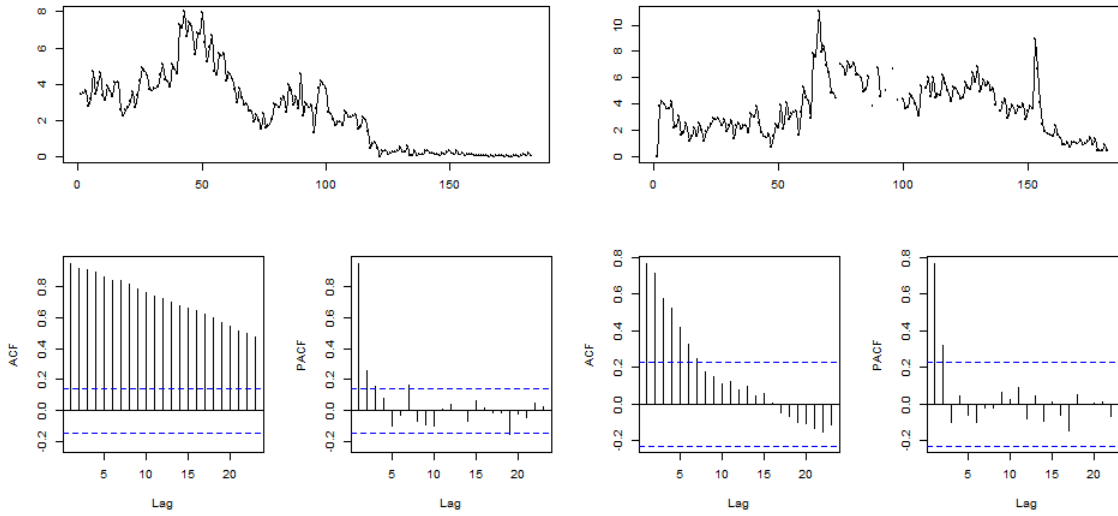|	Search		Light Outcome		Citation		Arrest	
	All	Safety	All	Safety	All	Safety	All	Safety
Constant	0.01*	0.01*	1.14*	1.02*	0.83*	0.48*	0.01*	0.01*
	(0.00)	(0.00)	(0.03)	(0.00)	(0.02)	(0.02)	(0.00)	(0.00)
Black	1.98*	1.73*	0.98*	0.63*	0.98*	0.98*	1.47*	1.13*
	(0.01)	(0.02)	(0.00)	(0.00)	(0.00)	(0.00)	(0.01)	(0.01)
Hispanic	1.04*	1.56*	0.57*	0.92*	1.66*	1.45*	1.52*	1.71*
	(0.01)	(0.02)	(0.00)	(0.00)	(0.01)	(0.01)	(0.01)	(0.02)
Other	0.59*	0.63*	1.07*	0.91*	0.96*	1.06*	0.64*	0.61*
	(0.01)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)
Gender	3.11*	2.84*	0.88*	0.90*	1.08*	1.07*	1.98*	1.97*
	(0.01)	(0.03)	(0.00)	(0.00)	(0.00)	(0.00)	(0.01)	(0.02)
Age	0.97*	0.97*	1.02*	1.02*	0.99*	0.98*	0.99*	0.99*
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Contraband Found			0.09*	0.11*	0.84*	0.62*	28.66*	36.94*
			(0.00)	(0.00)	(0.01)	(0.01)	(0.22)	(0.52)
Purpose	Y	Y	Y	Y	Y	Y	Y	Y
Day of Week	Y	Y	Y	Y	Y	Y	Y	Y
Hour FE	Y	Y	Y	Y	Y	Y	Y	Y
Agency FE	Y	Y	Y	Y	Y	Y	Y	Y
N	6787002	3278199	6787002	3278199	6787002	3278199	6787002	3278199
Pseudo R2	0.16	0.37	0.11	0.11	0.11	0.12	0.28	0.38

Note: * prob. < 0.05.

Diagnostic for the Analysis of Written Consent on Searches

Figure A9.1. Correlograms for Consent Search Regressions

a) Fayetteville   b) Durham

c) Chapel Hill
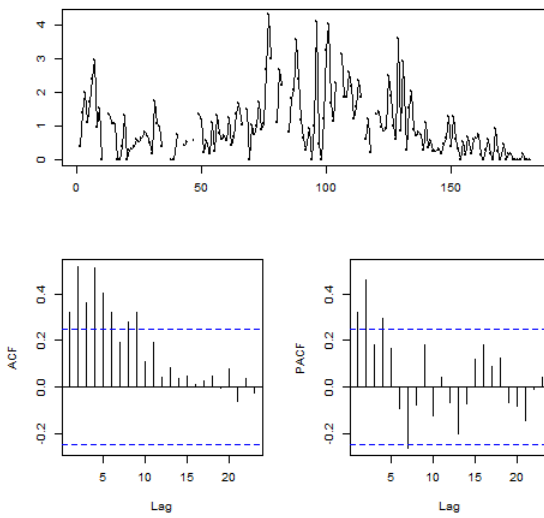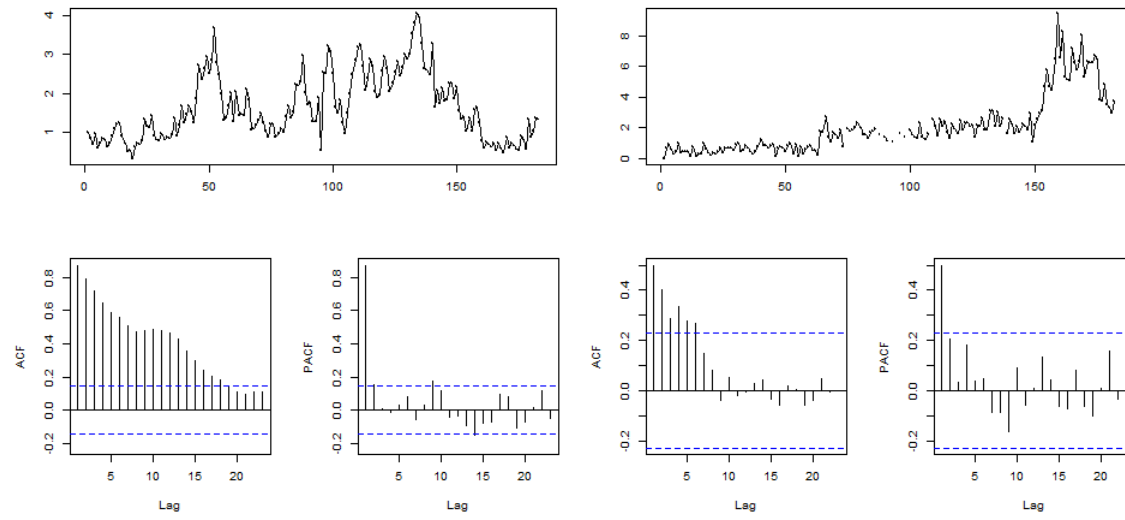
Figure A9.2. Correlograms for Probable Cause Search Regressions
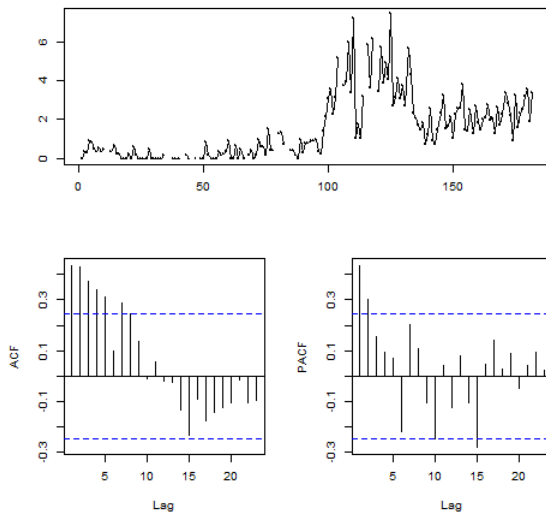a)   Fayetteville   b)   Durham

c)   Chapel Hill
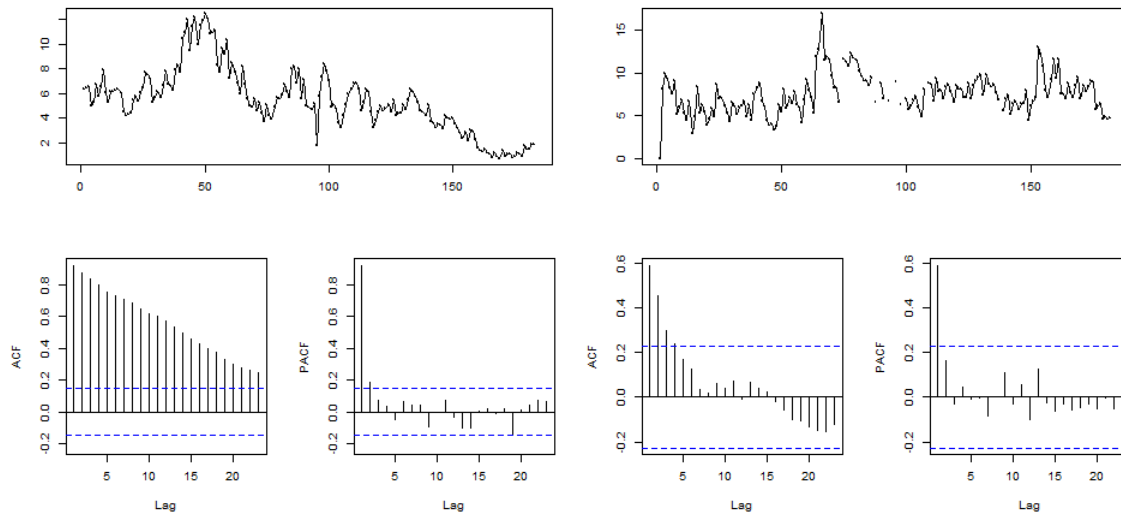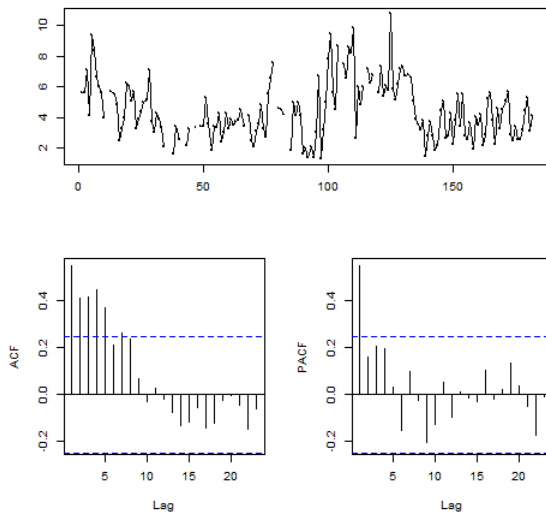
Figure A9.3. Correlograms for (All) Search Regressions
a)   Fayetteville   b)   Durham

c)   Chapel Hill

Diagnostics for the Analysis of Outcomes in Fayetteville

Figure A9.4. Correlograms for Fayetteville Outcomes Regressions

a)   Calls for Service   b) Arrests