Table 1. **Description of Dependent and Independent Variables Used in Regression Models**

Variable Name	Tract Mean	Tract Std. Dev.	Tract Min.	Tract Max.	Blockgroup Mean	Blockgroup Std. Dev.	Blockgroup Min.	Blockgroup Max.
Dependent Variables								
Burglary Rate	102.961	59.514	14.460	454.550	151.121	754.660	0.000	909.091
Violence Rate	32.015	43.413	0.000	378.790	45.979	209.827	0.000	970.588
Independent Variables								
Conc. Disadvantage	0.165	1.021	-1.516	4.754	0.107	1.026	-1.421	6.064
Conc. Immigration	0.181	1.008	-1.213	2.796	0.128	1.009	-1.464	3.487
% Ages 18 - 24	0.111	0.005	0.000	0.490	0.107	0.007	0.000	0.990
% Male	0.483	0.003	0.300	0.660	0.482	0.006	0.000	1.000
Residential Instability	0.003	0.777	-1.130	2.470	0.003	0.882	-2.040	2.830
Population Density	446.090	358.113	36.310	3482.460	729.204	3462.152	0.000	74734.050
Distance Central City	32247.815	17298.092	0.000	81250.666	30580.149	16932.498	0.000	85157.690
Index of Mixed-Use	0.629	0.096	0.220	0.840	0.466	0.146	0.000	0.830
% Single Family Resid.	0.330	0.173	0.000	0.880	0.434	0.267	0.000	1.000
% Mult. Family Resid.	0.003	0.050	0.000	0.370	0.004	0.007	0.000	0.610
% Industrial Use	0.006	0.017	0.000	0.160	0.001	0.002	0.000	0.240
% Commerical Use	0.161	0.170	0.000	0.930	0.161	0.170	0.000	0.930
% Vacant Land	0.101	0.115	0.000	0.540	0.008	0.118	0.000	0.800
Schools	0.685	1.010	0.000	3.000	0.152	0.509	0.000	3.000
Conven. Stores/Gas	2.332	0.919	0.000	3.000	0.701	0.863	0.000	3.000
Hospitals	0.002	0.206	0.000	3.000	0.002	0.206	0.000	3.000
Hotels	0.084	0.449	0.000	3.000	0.393	0.971	0.000	3.000
Stores	2.792	0.644	0.000	3.000	1.838	1.283	0.000	3.000
Banks	0.792	1.082	0.000	3.000	0.190	0.587	0.000	3.000
Recreation Centers	1.449	1.311	0.000	3.000	0.465	0.908	0.000	3.000
Malls	2.112	1.216	0.000	3.000	0.816	1.134	0.000	3.000
Parking Areas	0.624	1.052	0.000	3.000	0.172	0.581	0.000	3.000
Mixed-Use*Instability	0.036	0.499	-0.078	1.920	0.005	0.442	-1.300	1.920
Mixed-Use*Density	275.668	201.987	23.760	1728.010	279.617	950.847	0.000	26030.580

Table 2: Correlation Matrix of Physical Ecology Variables within Neighborhoods (Tract)

	1.)	2.)	3.)	4.)	5.)	6.)	7.)	8.)	9.)	10.)	11.)	12.)	13.)	14.)	15.)	16.)
1.) Distance Central City	1.000															
2.) Index of Mixed-Use	.385	1.000														
3.) % Single Family Resid.	-.191	-.505	1.000													
4.) % Mult. Family Resid.	-.092	.158	-.122	1.000												
5.) % Industrial Use	-.180	.215	-.205	-.053	1.000											
6.) % Comm. Use	.064	.271	-.430	.193	.230	1.000										
7.) % Vacant Land	.617	.358	-.079	-.133	.014	-.020	1.000									
8.) Schools	-.027	.048	-.050	-.031	-.035	.048	-.002	1.000								
9.) Conven. Stores/Gas	-.077	.185	-.141	.045	.054	.248	.009	.058	1.000							
10.) Hospitals	-.066	.009	-.104	.059	-.015	.120	-.051	.008	.037	1.000						
11.) Hotels	-.080	.112	-.235	.083	.127	.362	-.056	.074	.168	.047	1.000					
12.) Stores	-.306	.196	-.127	.046	.100	.306	-.131	.072	.284	.046	.246	1.000				
13.) Banks	.126	.084	-.200	.087	-.046	.286	-.035	.063	.078	.021	.237	.160	1.000			
14.) Rec. Centers	.369	.275	-.285	.378	-.054	.257	.118	.081	.134	.112	.163	-.007	.174	1.000		
15.) Malls	.054	.163	-.084	.242	-.061	.262	-.101	.041	.256	.038	.080	.204	.292	.106	1.000	
16.) Parking Areas	-.054	.063	-.244	.056	.055	.279	-.088	.018	.087	.227	.257	.121	.374	.192	.106	1.000

Table 3: Correlation Matrix of Physical Ecology Variables within Neighborhoods (Blockgroup)

	1.)	2.)	3.)	4.)	5.)	6.)	7.)	8.)	9.)	10.)	11.)	12.)	13.)	14.)	15.)	16.)
1.) Distance Central City	1.000															
2.) Index of Mixed-Use	.235	1.000														
3.) % Single Family Resid.	-.142	-.359	1.000													
4.) % Mult. Family Resid.	-.036	.180	-.080	1.000												
5.) % Industrial Use	-.066	.135	-.165	-.044	1.000											
6.) % Comm. Use	.051	.159	-.417	.157	.178	1.000										
7.) % Vacant Land	.428	.258	-.261	-.141	-.017	-.055	1.000									
8.) Schools	.016	.121	-.029	-.020	-.028	.035	-.020	1.000								
9.) Conven. Stores/Gas	.048	.305	-.101	.066	.054	.207	.009	.085	1.000							
10.) Hospitals	-.019	.026	-.104	-.091	.031	.104	-.025	.012	.044	1.000						
11.) Hotels	-.036	.171	-.235	-.199	.091	.305	-.052	.088	.198	.051	1.000					
12.) Stores	-.398	.423	-.068	.081	.055	.254	-.150	.111	.360	.054	.281	1.000				
13.) Banks	.062	.132	-.165	.098	-.037	.244	-.048	.076	.107	.021	.249	.193	1.000			
14.) Rec. Centers	.274	.305	-.233	.386	-.046	.210	.078	.099	.173	.115	.181	.071	.191	1.000		
15.) Malls	.128	.265	-.049	.257	-.053	.234	-.123	.066	.307	.045	.109	.288	.308	.242	1.000	
16.) Parking Areas	-.034	.120	-.220	.060	.037	.240	-.075	.027	.107	.225	.267	.152	.374	.199	.120	1.000

Table 4. **OLS Regression and Spatial Lag Regression Results for Burglary Rates at the Tract Level**

Variable Name	OLS Model 1	OLS Model 2	OLS Model 3	SAR Model 1	SAR Model 2	SAR Model 3
Lagged Burglary Rates				0.482***	0.327***	0.339***
Constant	277.651***	415.830***	336.438***	242.873***	377.638***	294.124***
Concentrated Disadvantage	1.165	-3.246	-0.638	-4.771	-5.557	-2.991
Concentrated Immigration	17.124**	-1.359	-0.442	13.960**	1.849	2.911
% Ages 18 - 24	-254.380**	-329.871***	-307.945***	-267.951**	-314.794***	-292.158***
% Male	-342.116**	-263.051*	-266.335*	-360.585**	-309.948**	-314.581**
Residential Instability	18.606**	24.574**	29.683	16.152**	23.711**	30.771
Population Density	0.034*	- 0.011	0.183*	0.025*	-0.011	0.187**
Distance Central City		-0.002***	-0.002*		-0.001**	-0.001**
Index of Mixed-Use		-98.744	49.185		-94.051*	58.270
% Single Family Res. Use		-112.014**	-111.211**		-100.521***	-98.751**
% Multiple Family Res. Use		-161.184	-148.720		-174.605	-161.412
% Industrial Use		180.044	-196.146		198.198	216.029
% Commercial Use		-23.718	-20.178		-31.138	-28.061
% Vacant Land		-11.474	-28.226		-0.911	-17.640
Schools		4.678	4.603		3.947	3.856
Convenience Store/Gas Station		-0.759	-1.256		-1.935	-2.516
Hospitals		19.623*	16.240		20.235*	16.689*
Hotels		3.523	3.590		2.685	2.719
Stores		8.330	9.650		9.281	10.757
Banks		-1.726	-1.645		-0.420	-0.269
Recreation Centers		-6.579	-8.016*		-5.572	-7.031*
Malls		-0.518	1.641		0.930	-0.175
Parking		1.432	1.027		0.134	-0.339
Mixed-Use*Instability			-4.640			-7.565
Mixed-Use*Density			-0.356*			-0.365**
Adjusted R^2/Pseudo R^2	0.198	0.399	0.422	0.379	0.520	0.546

*** p < .001 ** p < .01 *p < .05

Table 5. **OLS Regression and Spatial Lag Regression Results for Violent Crime Rates at the Tract Level**

Variable Name	OLS Model 1	OLS Model 2	OLS Model 3	SAR Model 1	SAR Model 2	SAR Model 3
Lagged Violence Rates				0.323***	0.154	0.166
Constant	124.223***	222.867***	164.526**	130.863**	221.211***	161.385***
Conc. Disadvantage	-5.257	-9.552*	-7.862	-8.802*	-10.384**	-9.005*
Conc. Immigration	5.991	-6.292	-5.539	5.441	-4.676	-4.164
% Ages 18 - 24	-162.442*	-201.965**	-188.736**	-165.959**	-195.490***	-181.067***
% Male	-210.019*	-158.996	-159.035	-243.349**	-183.635*	-185.918*
Residential Instability	6.696	15.328*	27.852	4.648	14.945**	26.577
Population Density	0.060***	0.030**	0.162**	0.059***	0.031***	0.168***
Distance Central City		-0.001***	-0.001***		-0.001***	-0.001***
Index of Mixed-Use		-50.863	53.757		-48.570	59.196
% Single Family Resid.		-84.498***	-81.402***		-80.356***	-77.192***
% Mult. Family Resid.		-226.594**	-213.573**		-231.363***	-218.922***
% Industrial Use		-137.379	-123.072		-129.068	-114.102
% Commerical Use		-12.322	-11.234		-18.942	-18.149
% Vacant Land		-29.018	-40.320		-27.357	-38.924
Schools		1.250	1.261		1.045	1.181
Conven. Stores/Gas Station		1.409	0.927		1.122	0.864
Hospitals		11.575	8.759		11.822	0.288
Hotels		3.063	3.006		2.783	2.791
Stores		5.255	6.593		5.424	6.759
Banks		-0.589	-0.435		0.112	0.312
Recreation Centers		-4.604	-5.705*		-4.384	-5.488*
Malls		-2.323	-3.127		-2.188	-3.003
Parking Areas		-1.509	-1.828		-2.011	-2.375
Mixed-Use*Instability			-16.825			-15.452
Mixed-Use*Density			-0.246*			-0.254*
Adjusted R^2/Pseudo R^2	0.103	0.446	0.467	0.347	0.526	0.551

*** p < .001 ** p < .01 *p < .05

Table 6. **OLS Regression and Spatial Lag Regression Results for Burglary Rates at the Blockgroup-Level**

Variable Name	OLS Model 1	OLS Model 2	OLS Model 3	SAR Model 1	SAR Model 2	SAR Model 3
Lagged Burglary Rates				0.297***	0.167**	0.151**
Constant	117.718***	147.609***	144.222***	79.151***	117.467***	117.243***
Concentrated Disadvantage	4.694	-2.492	-1.076	2.365	-2.974	-1.624
Concentrated Immigration	15.616***	-10.107*	-11.826**	11.893**	-8.920*	-10.652*
% Ages 18 - 24	-81.327	-57.769	-45.775	-64.337	-48.323	-37.887
% Male	-10.667	18.739	17.683	2.114	17.523	16.464
Residential Instability	19.242***	18.863***	34.496**	16.334***	17.759***	33.223**
Population Density	0.003**	0.002	-0.002	0.002**	0.002	-0.002
Distance Central City		-0.002***	-0.002***		-0.002**	-0.002***
Index of Mixed-Use		-14.616	-24.875		-10.369	-20.290
% Single Family Res. Use		-16.670	-8.865		-12.689	-5.485
% Multiple Family Res. Use		-68.608	-54.208		-79.876	-65.059
% Industrial Use		314.474*	353.433**		290.487*	330.115*
% Commercial Use		32.477	28.170		29.671	25.820
% Vacant Land		52.686	54.216		55.284	56.468*
Schools		10.348	10.627*		9.471	9.812
Convenience Store/Gas Station		8.897*	8.299*		9.443**	8.827*
Hospitals		39.393**	39.904**		39.937**	40.370**
Hotels		6.924*	6.690*		5.739	5.649
Stores		9.543***	9.831***		9.060**	9.362***
Banks		9.971	8.035		11.628*	9.641
Recreation Centers		-7.401	-5.338		-7.042	-5.095
Malls		-1.868	-1.362		-0.995	-0.604
Parking		1.423	-1.437		-0.398	-2.920
Mixed-Use*Instability			-35.128			-34.383
Mixed-Use*Density			0.019***			0.018***
Adjusted R^2/Pseudo R^2	0.078	0.221	0.238	0.142	0.255	0.271

*** $p < .001$ ** $p < .01$ *$p < .05$

Table 7. **OLS Regression and Spatial Error Regression Results for Violent Crime Rates at the Blockgroup Level**

Variable Name	OLS Model 1	OLS Model 2	OLS Model 3	SAR Model 1	SAR Model 2	SAR Model 3
Lagged Violence Rates				0.347***	0.195**	0.138**
Constant	48.729***	76.921***	70.890***	35.115**	63.968***	61.862***
Concentrated Disadvantage	-1.192	-5.835*	-1.295	-3.231	-6.379**	-1.772
Concentrated Immigration	8.673***	-7.715*	-11.116***	6.205*	-6.651*	-10.270***
% Ages 18 - 24	-79.239*	-79.045*	-60.942*	-62.506	-68.390*	-53.951
% Male	-24.605	5.329	14.309	-24.862	1.217	11.341
Residential Instability	5.475*	2.428	-6.168	3.714	1.817	-7.051
Population Density	0.006***	0.005***	-0.001	0.006***	0.005***	-0.001
Distance Central City		-0.001***	-0.001***		-0.001***	-0.001***
Index of Mixed-Use		-10.178	-38.774*		-8.798	-37.180*
% Single Family Res. Use		-65.670	-28.624**		-25.985**	-27.102**
% Multiple Family Res. Use		132.921	-47.472		-68.744*	-50.315
% Industrial Use		47.205***	171.276*		119.104	159.780*
% Commercial Use		16.839	43.460***		44.615	41.802***
% Vacant Land		4.393	19.688		16.485	19.358
Schools		8.060***	5.583		3.919	5.226
Convenience Store/Gas Station		9.166	6.927**		8.109***	6.992**
Hospitals		1.629	9.762		10.582	10.745
Hotels		4.335*	0.470		0.948	0.005
Stores		6.987	5.917***		3.901	5.583**
Banks		9.226	3.387		7.569*	3.900
Recreation Centers		-2.509	-1.047		-2.509*	-0.901
Malls		-3.346	-2.443		-2.626	-1.957
Parking		6.844	2.028		4.015	0.160
Mixed-Use*Instability			12.201			13.286
Mixed-Use*Density			0.035***			0.034***
Adjusted R^2/Pseudo R^2	0.130	0.286	0.415	0.217	0.323	0.440

*** $p < .001$ ** $p < .01$ *$p < .05$