

Appendix

Table A1: Variable descriptions and sources

Variable	Year	Source
Parking tickets	2016	Los Angeles Department of Transportation
Median household income (in 2016 \$)	2012-2016	American Community Survey
% 20-35 years old	2012-2016	American Community Survey
% renter-occupied housing units	2012-2016	American Community Survey
% non-Hispanic Black	2012-2016	American Community Survey
% Hispanic	2012-2016	American Community Survey
% non-Hispanic Asian	2012-2016	American Community Survey
Log population size	2012-2016	American Community Survey
Log population density	2012-2016	American Community Survey
Log number of employees (daytime population)	2016	Esri (2016)*
School in neighborhood (1 = Yes, 0 = No)	2015	Los Angeles County Department of Regional Planning
College in neighborhood (1 = Yes, 0 = No)	2015	Los Angeles County Department of Regional Planning
Park in neighborhood (1 = Yes, 0 = No)	2016	Los Angeles County Department of Parks and Recreation
Hospital in neighborhood (1 = Yes, 0 = No)	2015	Los Angeles County Department of Parks and Recreation
Commercial parcels per area	2012	Los Angeles County Office of the Assessor
Single family residential parcel per area	2012	Los Angeles County Office of the Assessor
Other residential parcels per area	2012	Los Angeles County Office of the Assessor
Bus stops per area	2016	Los Angeles Department of Transportation
Grocery stores per area	2016	Esri (2016)*
Apparel and accessory stores per area	2016	Esri (2016)*
Eating and drinking places per area	2016	Esri (2016)*
Other retail establishments per area	2016	Esri (2016)*
Personal services per area	2016	Esri (2016)*
Amusement and recreation services per area	2016	Esri (2016)*
On-street parking meters per area	2016	Los Angeles Department of Transportation
Vehicles per 100 parking spaces	2016	Chester et al. (2015); American Community Survey
% of parking space - non-residential off-street	2010	Chester et al. (2015)
% of parking space - on-street	2010	Chester et al. (2015)
% owner- and renter-occupied units by number of vehicles	2012-2016	American Community Survey
Touching city boundary (1 = Yes, 0 = No)	2016	Los Angeles Department of City Planning
Black council district (1 = Yes, 0 = No)	2016	Los Angeles Bureau of Engineering
Hispanic council district (1 = Yes, 0 = No)	2016	Los Angeles Bureau of Engineering
Asian council district (1 = Yes, 0 = No)	2016	Los Angeles Bureau of Engineering
Parking enforcement district	2016	Los Angeles Department of Transportation

* Esri. 2016. "Methodology Statement: 2016 Esri Business Locations and Business Summary Data: An Esri White Paper." Esri, Redlands. Accessed March 2, 2018.
http://downloads.esri.com/esri_content_doc/db/us/J9940_Methodology Stmt_Business_Locations_Summary_2016.pdf.

Table A2: Negative binomial regression models of neighborhood parking ticket counts

Variable	(1)	(2)	(3)	(4)	(5)
Log median household income	0.722** (0.076)				0.948 (0.101)
% 20-35 year olds		1.015*** (0.003)			1.011*** (0.003)
% renter-occupied housing			1.013*** (0.002)		1.011*** (0.002)
% non-Hispanic Black				1.009* (0.004)	1.005* (0.002)
% Hispanic				0.998 (0.003)	0.996 (0.002)
% non-Hispanic Asian				0.996 (0.004)	0.992 (0.006)
Log population density	0.540*** (0.039)	0.584*** (0.045)	0.505*** (0.039)	0.566*** (0.043)	0.529*** (0.040)
Log number of employees	1.147*** (0.036)	1.144*** (0.033)	1.106*** (0.031)	1.141*** (0.030)	1.110*** (0.031)
Vehicles per 100 parking spaces ^a	1.023 (0.017)	1.025 (0.018)	1.032 (0.018)	1.024 (0.015)	1.033* (0.016)
% owner units with 1 or 2 vehicles	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)	0.999 (0.001)	1.000 (0.001)
% owner units with 5 or more vehicles	0.990** (0.004)	0.990** (0.004)	0.992* (0.003)	0.992* (0.003)	0.994* (0.003)
% renter units with 1 or 2 vehicles	1.003* (0.001)	1.002* (0.001)	1.001 (0.001)	1.002* (0.001)	1.002* (0.001)
% renter units with 5 or more vehicles	0.987* (0.005)	0.985** (0.005)	0.989* (0.005)	0.988** (0.004)	0.991* (0.004)
% parking spaces - non-residential off-street ^a	1.001 (0.003)	1.002 (0.003)	1.005 (0.003)	1.000 (0.003)	1.005 (0.003)
% parking spaces - on-street ^a	0.992* (0.003)	0.993 (0.004)	0.999 (0.003)	0.990** (0.004)	0.998 (0.003)
School in neighborhood	0.999* (0.000)	0.999 (0.000)	0.999 (0.000)	0.999 (0.000)	1.000 (0.000)
Park in neighborhood	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)
College in neighborhood	0.998 (0.002)	0.998 (0.002)	0.999 (0.002)	0.999 (0.002)	0.998 (0.002)
Hospital in neighborhood	1.003 (0.002)	1.003 (0.002)	1.003 (0.002)	1.003 (0.002)	1.003 (0.002)
Parcels per area					
Commercial	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)
Single family residential	1.000** (0.000)	1.000* (0.000)	1.000*** (0.000)	1.000** (0.000)	1.000*** (0.000)
Other residential	1.001*** (0.000)	1.000*** (0.000)	1.000*** (0.000)	1.001*** (0.000)	1.000*** (0.000)
Business establishments per area					
Grocery stores	0.999 (0.001)	1.000 (0.001)	0.999 (0.001)	1.000 (0.001)	1.000 (0.001)
Apparel and accessory	1.001 (0.001)	1.001 (0.001)	1.001 (0.001)	1.001 (0.000)	1.001 (0.001)

Eating and drinking places	0.999 (0.000)	0.999* (0.000)	0.999 (0.000)	1.000 (0.000)	1.000 (0.000)
Other retail establishments	1.000* (0.000)	1.000* (0.000)	1.000* (0.000)	1.000* (0.000)	1.000* (0.000)
Personal services	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)
Amusement and recreation services	1.007*** (0.001)	1.006*** (0.001)	1.006*** (0.001)	1.006*** (0.001)	1.005*** (0.001)
Parking meters per area	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)
Bus stops per area	1.001 (0.000)	1.001 (0.001)	1.000 (0.000)	1.001 (0.001)	1.000 (0.000)
City boundary	0.836* (0.060)	0.826* (0.063)	0.821** (0.052)	0.804*** (0.038)	0.784*** (0.043)
Residential/Nonresidential					
Residential bordering non-residential	0.928 (0.058)	0.885 (0.061)	0.981 (0.052)	0.833** (0.053)	0.939 (0.047)
Non-residential	0.613*** (0.064)	0.579*** (0.067)	0.678*** (0.070)	0.554*** (0.065)	0.658*** (0.068)
Parking district					
Hollywood	1.579** (0.246)	1.481** (0.206)	1.508** (0.197)	1.322 (0.191)	1.380* (0.189)
Southern	0.660** (0.098)	0.709* (0.096)	0.707** (0.089)	0.532*** (0.083)	0.548*** (0.077)
Valley	0.630* (0.139)	0.625* (0.139)	0.672* (0.132)	0.576** (0.120)	0.593** (0.118)
Western	1.721** (0.278)	1.540** (0.230)	1.589*** (0.211)	1.293 (0.216)	1.309 (0.210)
AIC	13.907	13.904	13.864	13.898	13.833
BIC	34,696.176	34,689.674	34,588.866	34,673.885	34,511.310
N	2,489	2,489	2,489	2,489	2,489

*p < 0.05, **p < 0.01, ***p < 0.001.

Coefficients are presented as relative risk ratios. Standard errors are clustered by city council district.

^aMeasured at the tract level

Table A3: Negative binomial regression models testing racial/ethnic descriptive representation

Variable	(1)	(2)	(3)	(4)
Log median household income	0.935 (0.095)	0.914 (0.086)	0.942 (0.096)	0.924 (0.088)
% 20-35 year olds	1.011*** (0.003)	1.010*** (0.003)	1.010*** (0.003)	1.010*** (0.003)
% renter-occupied housing	1.010*** (0.002)	1.010*** (0.002)	1.010*** (0.002)	1.010*** (0.002)
% non-Hispanic Black	1.005 (0.003)	1.006* (0.002)	1.006* (0.003)	1.005 (0.003)
% Hispanic	0.998 (0.003)	0.995 (0.003)	0.997 (0.003)	0.995 (0.003)
% non-Hispanic Asian	0.992* (0.004)	0.994 (0.004)	0.989** (0.004)	0.991 (0.005)
Black council member	0.894 (0.152)	0.952 (0.112)	0.950 (0.121)	0.961 (0.147)
Hispanic council member	0.898 (0.149)	0.580 (0.256)	0.919 (0.149)	0.613 (0.279)
Asian council member	1.376* (0.200)	1.324 (0.194)	1.051 (0.175)	1.047 (0.172)
% Black x Black council member	1.003 (0.005)			1.000 (0.005)
% Hispanic x Hispanic council member		1.007 (0.005)		1.006 (0.005)
% Asian x Asian council member			1.017 (0.011)	1.015 (0.012)
Log population density	0.541*** (0.043)	0.542*** (0.042)	0.566*** (0.057)	0.563*** (0.056)
Log number of employees	1.112*** (0.032)	1.115*** (0.032)	1.111*** (0.031)	1.115*** (0.032)
Vehicles per 100 parking spaces ^a	1.034* (0.016)	1.033* (0.016)	1.034* (0.016)	1.033* (0.016)
% owner units with 1 or 2 vehicles	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)
% owner units with 5 or more vehicles	0.994 (0.003)	0.995 (0.003)	0.995 (0.003)	0.995 (0.003)
% renter units with 1 or 2 vehicles	1.002* (0.001)	1.002* (0.001)	1.002* (0.001)	1.002* (0.001)
% renter units with 5 or more vehicles	0.991* (0.004)	0.991* (0.004)	0.992* (0.004)	0.992* (0.004)
% parking spaces - non-residential off-street ^a	1.006 (0.003)	1.005 (0.003)	1.006* (0.003)	1.006* (0.003)

% parking spaces - on-street ^a	0.998 (0.003)	0.998 (0.003)	0.998 (0.003)	0.998 (0.003)
School in neighborhood	1.000 (0.000)	0.999 (0.000)	1.000 (0.000)	0.999 (0.000)
Park in neighborhood	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)
College in neighborhood	0.999 (0.002)	0.999 (0.002)	0.999 (0.002)	0.999 (0.002)
Hospital in neighborhood	1.003 (0.002)	1.003 (0.002)	1.003 (0.002)	1.003 (0.002)
Parcels per area				
Commercial	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)
Single family residential	1.000*** (0.000)	1.000*** (0.000)	1.000*** (0.000)	1.000*** (0.000)
Other residential	1.000*** (0.000)	1.000*** (0.000)	1.000** (0.000)	1.000** (0.000)
Business establishments per area				
Grocery stores	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)
Apparel and accessory	1.001 (0.001)	1.001 (0.001)	1.001 (0.001)	1.001 (0.001)
Eating and drinking places	1.000 (0.000)	1.000 (0.000)	1.000 (0.000)	1.000 (0.000)
Other retail establishments	1.000* (0.000)	1.000* (0.000)	1.000* (0.000)	1.000* (0.000)
Personal services	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)
Amusement and recreation services	1.004** (0.001)	1.004** (0.001)	1.004** (0.001)	1.004** (0.001)
Parking meters per area	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)
Bus stops per area	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)	1.000 (0.001)
City boundary	0.792*** (0.040)	0.782*** (0.041)	0.793*** (0.041)	0.784*** (0.041)
Residential/Nonresidential				
Residential bordering non-residential	0.941 (0.049)	0.944 (0.048)	0.941 (0.049)	0.945 (0.049)
Non-residential	0.664*** (0.067)	0.664*** (0.069)	0.664*** (0.067)	0.665*** (0.070)
Parking district				
Hollywood	1.210	1.185	1.182	1.169

	(0.168)	(0.170)	(0.152)	(0.165)
Southern	0.539**	0.558**	0.529***	0.550**
	(0.097)	(0.097)	(0.094)	(0.095)
Valley	0.601**	0.600**	0.591**	0.595**
	(0.115)	(0.118)	(0.111)	(0.115)
Western	1.355	1.299	1.311	1.278
	(0.244)	(0.236)	(0.221)	(0.238)
AIC	13.824	13.817	13.819	13.813
BIC	34,488.768	34,473.215	34,476.059	34,462.594
N	2,489	2,489	2,489	2,489

*p < 0.05, **p < 0.01, ***p < 0.001.

Coefficients are presented as relative risk ratios. Standard errors are clustered by city council district.

^aMeasured at the tract level

Table A4: Negative binomial regression models of neighborhood parking ticket counts for residential and non-residential neighborhoods

Variable	Residential		Nonresidential	
	(1)	(2)	(3)	(4)
Log median household income	1.066 (0.135)	1.008 (0.110)	1.031 (0.109)	1.011 (0.098)
% 20-35 year olds	1.008** (0.003)	1.007** (0.003)	1.004 (0.004)	1.002 (0.004)
% renter-occupied housing	1.007* (0.003)	1.007* (0.003)	1.009** (0.003)	1.008** (0.003)
% non-Hispanic Black	1.005 (0.003)	0.999 (0.006)	0.998 (0.003)	1.004 (0.004)
% Hispanic	0.995 (0.003)	0.994 (0.004)	0.991 (0.004)	0.989 (0.005)
% non-Hispanic Asian	0.985 (0.008)	0.987* (0.005)	0.991** (0.003)	0.990* (0.004)
Black council member		0.806 (0.164)		1.080 (0.173)
Hispanic council member		0.519 (0.258)		0.710 (0.255)
Asian council member		1.116 (0.189)		1.173 (0.153)
% Black x Black council member		1.010 (0.007)		0.991 (0.005)
% Hispanic x Hispanic council member		1.008 (0.006)		1.006 (0.003)
% Asian x Asian council member		1.001 (0.006)		1.014 (0.012)
Log population density	0.910 (0.076)	0.911 (0.076)	0.530*** (0.043)	0.569*** (0.059)
Log number of employees	1.079 (0.043)	1.079 (0.042)	1.114** (0.035)	1.126*** (0.038)
Vehicles per 100 parking spaces ^a	1.050** (0.017)	1.049** (0.018)	1.005 (0.017)	1.006 (0.017)
% owner units with 1 or 2 vehicles	1.004 (0.003)	1.003 (0.003)	0.999 (0.001)	1.000 (0.001)
% owner units with 5 or more vehicles	1.000 (0.004)	1.000 (0.004)	0.990** (0.004)	0.990** (0.003)
% renter units with 1 or 2 vehicles	1.003 (0.002)	1.003 (0.002)	0.998 (0.002)	0.998 (0.002)
% renter units with 5 or more vehicles	0.992 (0.005)	0.992 (0.005)	0.982** (0.006)	0.984* (0.007)

% parking spaces - non-residential off-street ^a	1.007*	1.007*	1.003	1.004
	(0.003)	(0.003)	(0.004)	(0.004)
% parking spaces - on-street ^a	0.997	0.997	1.002	1.002
	(0.004)	(0.004)	(0.003)	(0.004)
School in neighborhood	1.000	1.000	1.000	1.000
	(0.001)	(0.000)	(0.001)	(0.001)
Park in neighborhood	1.001	1.001	0.999	0.999
	(0.001)	(0.001)	(0.001)	(0.001)
College in neighborhood	0.997	0.997	1.000	1.001
	(0.004)	(0.003)	(0.003)	(0.003)
Hospital in neighborhood	1.002	1.003	1.003	1.003
	(0.002)	(0.002)	(0.002)	(0.002)
Parcels per area				
Commercial	1.001**	1.001***	1.001***	1.001***
	(0.000)	(0.000)	(0.000)	(0.000)
Single family residential	1.000	1.000	1.000	1.000
	(0.000)	(0.000)	(0.000)	(0.000)
Other residential	1.000	1.000	1.000***	1.000***
	(0.000)	(0.000)	(0.000)	(0.000)
Business establishments per area				
Grocery stores	1.000	1.000	0.999	0.999
	(0.002)	(0.002)	(0.001)	(0.001)
Apparel and accessory	1.004**	1.004**	1.000	1.000
	(0.001)	(0.001)	(0.000)	(0.000)
Eating and drinking places	0.998	0.999	1.000	1.000
	(0.001)	(0.001)	(0.000)	(0.000)
Other retail establishments	0.999*	0.999*	1.000**	1.000**
	(0.001)	(0.000)	(0.000)	(0.000)
Personal services	1.001	1.001	1.000	0.999
	(0.001)	(0.001)	(0.000)	(0.000)
Amusement and recreation services	1.005**	1.005**	1.004**	1.003**
	(0.002)	(0.002)	(0.001)	(0.001)
Parking meters per area	1.001**	1.001*	1.000***	1.000***
	(0.000)	(0.000)	(0.000)	(0.000)
Bus stops per area	1.001	1.002	1.000	1.000
	(0.001)	(0.001)	(0.001)	(0.001)
City boundary	0.752***	0.745***	0.805**	0.787***
	(0.052)	(0.049)	(0.051)	(0.041)
Residential bordering non-residential	0.752**	0.749**		
	(0.066)	(0.063)		
Parking district				
Hollywood	1.733*	1.494	1.022	0.930
	(0.419)	(0.376)	(0.100)	(0.134)

Southern	0.655 (0.146)	0.643 (0.172)	0.489*** (0.057)	0.523*** (0.083)
Valley	0.714 (0.190)	0.705 (0.179)	0.479*** (0.080)	0.480*** (0.086)
Western	1.473 (0.331)	1.403 (0.328)	1.124 (0.173)	1.135 (0.198)
AIC	13.173	13.156	14.633	14.598
BIC	20,677.758	20,651.556	13,602.777	13,570.384
N	1,564	1,564	925	925

*p < 0.05, **p < 0.01, ***p < 0.001.

Coefficients are presented as relative risk ratios. Standard errors are clustered by city council district.

^aMeasured at the tract level

Table A5: Negative binomial regression models of neighborhood parking ticket counts by citation type

Variable	Street cleaning		Time limit		Permit	
	(1)	(2)	(3)	(4)	(5)	(6)
Log median household income	0.870 (0.081)	0.839* (0.071)	2.127** (0.591)	1.784* (0.449)	2.653 (1.373)	2.263* (0.845)
% 20-35 year olds	1.012*** (0.003)	1.011** (0.003)	1.014 (0.009)	1.010 (0.010)	1.022* (0.010)	1.021 (0.011)
% renter-occupied housing	1.009*** (0.002)	1.008** (0.002)	1.018** (0.006)	1.015* (0.006)	1.036** (0.014)	1.039** (0.014)
% non-Hispanic Black	1.008** (0.002)	1.008** (0.003)	0.979*** (0.005)	0.990 (0.008)	0.987 (0.015)	0.975 (0.018)
% Hispanic	0.996 (0.003)	0.994 (0.003)	0.976*** (0.002)	0.973*** (0.003)	0.967*** (0.006)	0.961** (0.012)
% non-Hispanic Asian	0.991 (0.004)	0.990* (0.004)	0.975** (0.009)	0.982 (0.012)	0.987 (0.012)	0.990 (0.013)
Black council member		0.934 (0.169)		0.999 (0.248)		3.776 (2.978)
Hispanic council member		0.531 (0.245)		0.233* (0.146)		0.012*** (0.011)
Asian council member		1.025 (0.138)		0.958 (0.304)		2.540* (1.203)
% Black x Black council member		1.000 (0.006)		0.983 (0.009)		1.006 (0.012)
% Hispanic x Hispanic council member		1.007 (0.006)		1.019*** (0.006)		1.058*** (0.011)
% Asian x Asian council member		1.015* (0.006)		0.999 (0.011)		1.003 (0.041)
Log population density	0.615*** (0.046)	0.646*** (0.049)	0.693*** (0.071)	0.717** (0.074)	0.597* (0.125)	0.678 (0.222)
Log number of employees	1.079**	1.082**	1.554***	1.534***	1.343*	1.375*

	(0.029)	(0.029)	(0.092)	(0.092)	(0.163)	(0.191)
Vehicles per 100 parking spaces ^a	1.051**	1.052**	1.058**	1.058**	1.068	1.084
	(0.017)	(0.018)	(0.021)	(0.020)	(0.064)	(0.065)
% owner units with 1 or 2 vehicles	1.002	1.002**	1.001	1.002	1.023**	1.024**
	(0.001)	(0.001)	(0.002)	(0.002)	(0.008)	(0.009)
% owner units with 5 or more vehicles	0.996	0.996	1.001	1.003	1.038*	1.026*
	(0.003)	(0.003)	(0.007)	(0.006)	(0.017)	(0.013)
% renter units with 1 or 2 vehicles	1.003	1.003	0.998	0.999	1.017**	1.013
	(0.002)	(0.002)	(0.004)	(0.004)	(0.007)	(0.007)
% renter units with 5 or more vehicles	0.993	0.994	0.966*	0.969*	0.929	0.924*
	(0.005)	(0.005)	(0.015)	(0.013)	(0.040)	(0.032)
% parking spaces - non-residential off-street ^a	1.009***	1.010***	1.005	1.006	1.031*	1.036**
	(0.003)	(0.002)	(0.004)	(0.004)	(0.016)	(0.014)
% parking spaces - on-street ^a	1.000	1.000	0.989*	0.989	1.038	1.033*
	(0.003)	(0.003)	(0.005)	(0.006)	(0.021)	(0.016)
School in neighborhood	1.000	1.000	0.999	0.998	0.997	0.996
	(0.000)	(0.000)	(0.001)	(0.001)	(0.003)	(0.003)
Park in neighborhood	1.000	1.000	1.001	1.001	1.004	1.004
	(0.001)	(0.001)	(0.002)	(0.001)	(0.004)	(0.005)
College in neighborhood	1.000	1.001	0.995	0.993	1.001	1.001
	(0.003)	(0.003)	(0.004)	(0.004)	(0.004)	(0.004)
Hospital in neighborhood	1.002	1.002	1.006	1.006	1.023**	1.025**
	(0.002)	(0.002)	(0.005)	(0.005)	(0.007)	(0.008)
Parcels per area						
Commercial	1.001***	1.001***	1.001**	1.002**	1.001	1.001
	(0.000)	(0.000)	(0.001)	(0.001)	(0.002)	(0.001)
Single family residential	1.000***	1.000***	1.000	1.000	1.000	1.000
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Other residential	1.000*	1.000*	1.000*	1.000*	1.000	1.000
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.001)
Business establishments per area						

Grocery stores	1.000 (0.001)	1.000 (0.001)	0.999 (0.002)	1.000 (0.002)	0.996 (0.008)	0.995 (0.007)
Apparel and accessory	1.000 (0.000)	1.000 (0.000)	0.999 (0.001)	0.999 (0.001)	1.001 (0.003)	1.002 (0.003)
Eating and drinking places	1.000 (0.000)	1.000 (0.000)	0.997* (0.001)	0.997* (0.001)	1.003 (0.003)	1.001 (0.003)
Other retail establishments	0.999*** (0.000)	0.999** (0.000)	1.000 (0.000)	1.000 (0.000)	0.999 (0.001)	1.000 (0.001)
Personal services	1.001 (0.001)	1.000 (0.001)	1.004 (0.002)	1.003 (0.002)	0.998 (0.004)	0.997 (0.004)
Amusement and recreation services	1.003** (0.001)	1.003* (0.001)	1.002 (0.004)	1.002 (0.003)	1.004 (0.004)	0.999 (0.005)
Parking meters per area	1.000 (0.000)	1.000 (0.000)	1.002*** (0.000)	1.002*** (0.000)	1.000 (0.000)	1.000 (0.000)
Bus stops per area	1.000 (0.000)	1.000 (0.001)	1.001 (0.001)	1.002 (0.001)	1.000 (0.004)	1.000 (0.003)
City boundary	0.882 (0.058)	0.881* (0.053)	0.539** (0.099)	0.518*** (0.091)	0.496 (0.215)	0.566 (0.235)
Residential/Nonresidential						
Residential bordering non-residential	0.960 (0.062)	0.962 (0.065)	0.675* (0.106)	0.684* (0.104)	0.733 (0.281)	0.740 (0.282)
Non-residential	0.670** (0.102)	0.668* (0.104)	0.258*** (0.082)	0.257*** (0.081)	0.510 (0.295)	0.602 (0.294)
Parking district						
Hollywood	1.626* (0.347)	1.321 (0.215)	0.817 (0.251)	0.752 (0.331)	2.305*** (1.032)	1.197*** (0.497)
Southern	0.572** (0.102)	0.556** (0.104)	0.256*** (0.036)	0.289*** (0.095)	3.068 (3.347)	1.022 (1.037)
Valley	0.755 (0.170)	0.753 (0.155)	0.306** (0.113)	0.309** (0.131)	2.291 (2.239)	2.439 (1.856)
Western	1.525* (0.170)	1.454* (0.155)	1.199 (0.113)	1.101 (0.131)	1.543** (2.239)	1.486** (1.856)

	(0.271)	(0.263)	(0.376)	(0.468)	0.270	0.117
AIC	12.387	12.373	7.186	7.178	(3.155)	(3.138)
BIC	30,911.848	30,878.462	17,968.278	17,947.415	7,933.083	7,892.662
N	2,489	2,489	2,489	2,489	2,489	2,489

*p < 0.05, **p < 0.01, ***p < 0.001.

Coefficients are presented as relative risk ratios. Standard errors are clustered by city council district.

^aMeasured at the tract level

Table A6: Negative binomial regression models of neighborhood parking ticket counts by time of day

Variable	Day		Evening		Overnight	
	(1)	(2)	(3)	(4)	(5)	(6)
Log median household income	0.919 (0.084)	0.901 (0.071)	1.432 (0.337)	1.302 (0.299)	0.818 (0.118)	0.783 (0.114)
% 20-35 year olds	1.012*** (0.003)	1.011*** (0.002)	1.011* (0.005)	1.007 (0.006)	1.003 (0.004)	1.002 (0.005)
% renter-occupied housing	1.009*** (0.002)	1.008** (0.002)	1.013** (0.005)	1.012* (0.005)	1.020*** (0.003)	1.019*** (0.003)
% non-Hispanic Black	1.005* (0.002)	1.006 (0.003)	0.995 (0.005)	1.003 (0.007)	1.007 (0.004)	1.010* (0.004)
% Hispanic	0.995* (0.002)	0.994 (0.003)	0.996 (0.004)	0.991** (0.003)	1.004 (0.003)	1.002 (0.003)
% non-Hispanic Asian	0.991 (0.005)	0.990* (0.005)	0.986*** (0.004)	0.989 (0.006)	0.996 (0.003)	0.996 (0.004)
Black council member		0.962 (0.153)		0.823 (0.188)		0.953 (0.188)
Hispanic council member		0.678 (0.311)		0.278** (0.123)		0.616 (0.273)
Asian council member		1.013 (0.149)		1.235 (0.321)		1.168 (0.181)
% Black x Black council member		0.999 (0.004)		0.989 (0.008)		0.996 (0.007)
% Hispanic x Hispanic council member		1.005 (0.005)		1.019** (0.006)		1.009* (0.004)
% Asian x Asian council member		1.015 (0.009)		1.016 (0.029)		1.006 (0.015)
Log population density	0.559*** (0.040)	0.592*** (0.050)	0.481*** (0.048)	0.526*** (0.088)	0.467*** (0.042)	0.486*** (0.061)
Log number of employees	1.119***	1.122***	1.172*	1.183**	1.058	1.061

	(0.031)	(0.033)	(0.073)	(0.073)	(0.037)	(0.035)
Vehicles per 100 parking spaces ^a	1.036*	1.036*	1.057*	1.045*	1.027	1.026
	(0.015)	(0.014)	(0.024)	(0.022)	(0.022)	(0.022)
% owner units with 1 or 2 vehicles	1.000	1.001	0.999	1.000	1.001	1.001
	(0.001)	(0.001)	(0.002)	(0.002)	(0.002)	(0.002)
% owner units with 5 or more vehicles	0.994	0.995	0.990	0.993	0.996	0.996
	(0.003)	(0.003)	(0.006)	(0.006)	(0.004)	(0.004)
% renter units with 1 or 2 vehicles	1.002*	1.002*	0.998	0.999	1.000	1.000
	(0.001)	(0.001)	(0.004)	(0.003)	(0.001)	(0.001)
% renter units with 5 or more vehicles	0.992	0.992	0.984	0.985	0.988	0.988
	(0.004)	(0.004)	(0.008)	(0.009)	(0.008)	(0.008)
% parking spaces - non-residential off-street ^a	1.008***	1.008	1.009	1.009	0.995	0.995
	(0.002)	(0.002)	(0.006)	(0.006)	(0.005)	(0.004)
% parking spaces - on-street ^a	0.999	0.999	1.003	1.005	0.990	0.990
	(0.003)	(0.003)	(0.005)	(0.005)	(0.006)	(0.006)
School in neighborhood	1.000	1.000	0.998**	0.998*	0.999	0.999
	(0.000)	(0.000)	(0.001)	(0.001)	(0.001)	(0.001)
Park in neighborhood	0.999	0.999	1.000	1.000	1.002	1.002
	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)
College in neighborhood	0.999	1.000	1.001	1.001	0.995**	0.995**
	(0.002)	(0.002)	(0.003)	(0.003)	(0.002)	(0.002)
Hospital in neighborhood	1.004	1.004	0.999	1.001	0.998	0.998
	(0.002)	(0.002)	(0.003)	(0.003)	(0.002)	(0.002)
Parcels per area						
Commercial	1.001***	1.001***	1.000	1.001	1.001*	1.001**
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Single family residential	1.000***	1.000***	1.000*	1.000*	1.000*	1.000
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Other residential	1.000	1.000**	1.000	1.000	1.000*	1.000**
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Business establishments per area						

Grocery stores	0.999 (0.001)	1.000 (0.001)	1.001 (0.003)	1.002 (0.003)	0.999 (0.001)	0.999 (0.001)
Apparel and accessory	1.001 (0.000)	1.001 (0.000)	1.001 (0.002)	1.001 (0.002)	1.001 (0.001)	1.001 (0.001)
Eating and drinking places	0.999 (0.000)	1.000 (0.000)	1.000 (0.001)	1.000 (0.001)	1.001 (0.001)	1.001 (0.000)
Other retail establishments	1.000*** (0.000)	1.000*** (0.000)	0.999 (0.000)	0.999 (0.000)	1.000 (0.000)	1.000 (0.000)
Personal services	1.000 (0.001)	1.000 (0.001)	1.001 (0.002)	1.001 (0.002)	1.000 (0.001)	0.999 (0.001)
Amusement and recreation services	1.004** (0.001)	1.004* (0.001)	1.007** (0.002)	1.006** (0.002)	1.005* (0.002)	1.005** (0.002)
Parking meters per area	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)	1.001*** (0.000)	1.000* (0.000)	1.000* (0.000)
Bus stops per area	1.000 (0.000)	1.000 (0.001)	0.999 (0.001)	1.000 (0.001)	0.999 (0.001)	0.999 (0.001)
City boundary	0.795*** (0.050)	0.798*** (0.047)	0.787 (0.129)	0.748 (0.122)	0.765* (0.091)	0.754* (0.091)
Residential/Nonresidential						
Residential bordering non-residential	0.986 (0.043)	0.992 (0.045)	0.758 (0.107)	0.784 (0.112)	0.909 (0.098)	0.899 (0.093)
Non-residential	0.718** (0.072)	0.723** (0.073)	0.528* (0.159)	0.565* (0.159)	0.587* (0.126)	0.584* (0.122)
Parking district						
Hollywood	1.327* (0.181)	1.115 (0.149)	2.032** (0.511)	1.767* (0.471)	1.594** (0.250)	1.505* (0.295)
Southern	0.527*** (0.077)	0.512*** (0.093)	0.487** (0.118)	0.675 (0.225)	0.646** (0.084)	0.764 (0.151)
Valley	0.573** (0.108)	0.564** (0.102)	0.892 (0.313)	0.983 (0.318)	0.584* (0.140)	0.632 (0.150)
Western	1.388* (0.108)	1.335 (0.102)	0.855 (0.313)	0.865 (0.318)	1.200 (0.140)	1.272 (0.150)

	(0.191)	(0.229)	(0.329)	(0.310)	(0.303)	(0.344)
AIC	13.378	13.363	8.150	8.117	9.668	9.658
BIC	33,378.468	33,341.049	20,366.597	20,284.057	24,145.596	24,119.448
N	2,489	2,489	2,489	2,489	2,489	2,489

*p < 0.05, **p < 0.01, ***p < 0.001.

Coefficients are presented as relative risk ratios. Standard errors are clustered by city council district.

^aMeasured at the tract level