

A Appendix

Figure 3: Edmundson Mayor’s Memo to Police Department Re Traffic Tickets

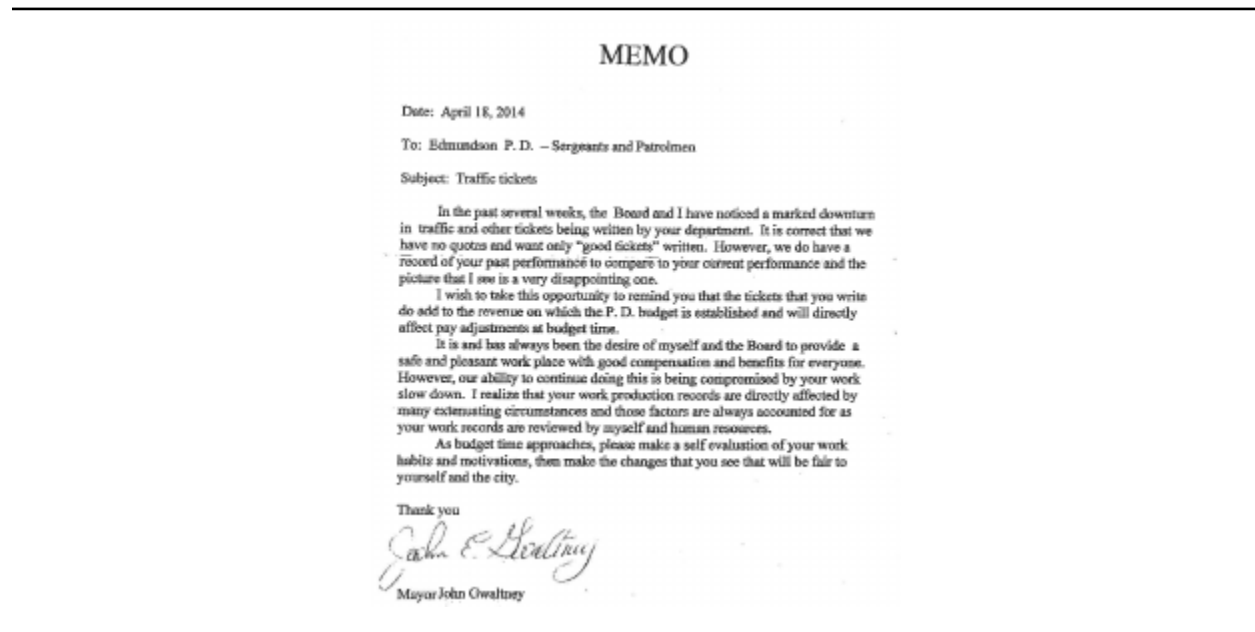


Table 10: Demographics of Agencies with and without Finance Data

Year	Mean Total Population		Mean Pct. White	
	Finance Data	No Finance Data	Finance Data	No Finance Data
2000	42320.09	2986.71	90.09	91.06
2012	72116.08	5011.89	81.51	93.13

Table 10 shows that our sample where data are matched tend to have the highest population (this is where IndFin does an annual, rather than five-year survey). The places with merged finance data have somewhat larger minority population shares.

In results available upon request, we also ran 2SLS regressions instrumenting fiscal distress with lagged inter-government revenues. There was still a positive effect of fiscal distress on white driver citation rates, but the interactions for black and Latino were insignificant. The main results are robust to weighting by 2000 population.

Table 11 presents the results from an additional heterogeneity analysis. One might wonder whether the effects of fiscal distress are concentrated in rural or urban areas, or whether they are

Figure 4: Vehicle Stop Information Form, Missouri Racial Profiling Database

VEHICLE STOP INFORMATION

DATE TIME AM PM
MM DD YY

1 VIOLATION RESULTING IN STOP (✓ all that apply)
 MOVING EQUIPMENT LICENSE INVESTIGATIVE
If a "moving" violation, (✓ category of violation)
 SPEED LANE VIOLATION FOLLOW TOO CLOSE
 CVE FAIL TO SIGNAL OTHER MOVING VIOLATION

2 RESULT OF STOP (✓ all that apply)
 CITATION WARNING NO ACTION OTHER

3 DRIVER'S RACE/MINORITY STATUS (based only on visual observation)
 WHITE BLACK/AFRICAN-AMERICAN HISPANIC/LATINO
 AMERICAN INDIAN/ALASKA NATIVE ASIAN OTHER/UNKNOWN

4 DRIVER'S AGE UNDER 18 18-29 30-39 40+

5 DRIVER'S GENDER MALE FEMALE

6 LOCATION OF STOP
 INTERSTATE HIGHWAY U.S. HIGHWAY STATE HIGHWAY
 COUNTY ROAD CITY STREET OTHER

7 WAS A SEARCH INITIATED? YES NO
If YES, probable cause/authority for search (✓ all that apply)
 CONSENT INVENTORY DRUG/ALCOHOL ODOR
 INCIDENT TO ARREST PLAIN VIEW CONTRABAND OTHER
 DRUG DOG ALERT REASONABLE SUSPICION-WEAPON (TERRY STOP)

8 WHAT WAS SEARCHED?
 DRIVER ONLY PROPERTY ONLY DRIVER AND PROPERTY

9 DURATION OF SEARCH
 0-15 MINUTES 16-30 MIN. 31+ MIN.

10 WAS CONTRABAND DISCOVERED? YES NO
If YES, type of contraband (✓ all that apply)
 DRUGS/ALCOHOL/PARAPHERNALIA CURRENCY
 WEAPON STOLEN PROPERTY OTHER

11 WAS DRIVER ARRESTED? YES NO

12 IF ARREST MADE, CRIME/VIOLATION ALLEGED (✓ all that apply)
 OUTSTANDING WARRANT OFFENSE AGAINST PERSON
 RESISTING ARREST DRUG VIOLATION DWI/BAC
 PROPERTY CRIME TRAFFIC VIOLATION OTHER

Revised September 2004

VEHICLE STOP INFORMATION

DATE TIME AM PM
MM DD YY

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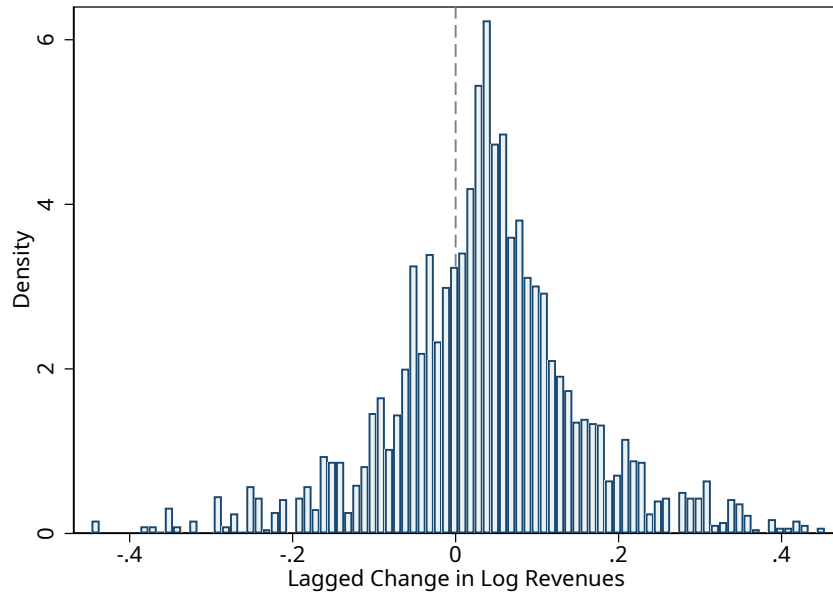
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Figure 5: Distribution of Lagged Revenue Changes



Histogram of lagged log revenue changes from merged IndFin data. Bin width = .01. Vertical dashed line at zero.

concentrated in areas with relatively large populations of people of color. To make the categories referenced in the table, we divided the sample at the median values of urban density and racial makeup. First, we see that for both citations, and arrests, the effects are concentrated in rural areas. This makes sense, if these areas have more white residents than urban areas. Indeed, the increase in citations of white drivers in times of fiscal distress occurs in areas with smaller black populations. The increases in arrests of white drivers, however, is found in areas with larger black populations. This could be because communities of color are more heavily and harshly policed than other communities, such that white residents found in those communities during times of fiscal distressed are the ones police target, for example.

Table 11: Heterogeneity by Urban Density and Race Makeup

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Δ Citation Rate		Δ Arrest Rate		Δ Citation Rate		Δ Arrest Rate	
Fiscal Distress × White Driver	0.0738* (0.0295)	0.0200 (0.0210)	0.0332+ (0.0182)	0.00426 (0.00685)	0.0669* (0.0298)	0.0285 (0.0230)	0.0268+ (0.0156)	0.0277* (0.0138)
Fiscal Distress × Black Driver	-0.0431 (0.0568)	0.0199 (0.0274)	-0.0689 (0.0464)	0.0206 (0.0131)	-0.0321 (0.0571)	0.0176 (0.0317)	-0.0473 (0.0498)	0.0116 (0.0203)
Fiscal Distress × Latino Driver	-0.0580 (0.0684)	0.0590 (0.0415)	0.0214 (0.0442)	0.0183 (0.0211)	0.000496 (0.0649)	-0.0351 (0.0545)	0.0320 (0.0371)	0.0170 (0.0395)
Sample	Rural	Urban	Rural	Urban	<2.8% Black	>2.8% Black	<2.8% Black	>2.8% Black
Agency-Race FE's	X	X	X	X	X	X	X	X
Race-Year FE's	X	X	X	X	X	X	X	X
Demographics	X	X	X	X	X	X	X	X
Stop Reasons	X	X	X	X	X	X	X	X
Arrest Reasons	X	X	X	X	X	X	X	X
N	1742	1619	1280	1332	1696	1665	1291	1321
R ²	0.199	0.284	0.560	0.477	0.230	0.232	0.547	0.162

Notes. Observation is an agency-race-year, where whites, blacks, and Latinos are included. *Fiscal Distress* is defined as the log negative revenue change. × *Black Driver* and × *Latino Driver* indicate the interaction between *Fiscal Distress* and dummy variables for the respective driver race. Standard errors in parentheses, clustered by agency. + p<0.10, * p<0.05, ** p<0.01.