

Appendix 1: University of Chicago Police Department Open Data Analysis

Introduction

UCPD releases three types of data on their data page. This data is not directly downloadable and was web scraped into a database which was then standardized. The three types of data include *The Daily Incident Report*, which includes crimes and fires reported to UCPD in its patrol area, *Traffic Stops*, and *Field Interviews*.

Note that 2019 numbers are through December 6, 2019.

Number of interactions with UCPD by Year

Table 1: Traffic Stops

year	Total	% African American
2015	53	69.8%
2016	342	72.2%
2017	609	71.1%
2018	1654	72.9%
2019	1333	75.7%

Table 2: Incidents

year	Total
2015	337
2016	1096
2017	1104
2018	1246
2019	1166

Table 3: Interviews

year	Total	% African American
2015	71	90.1%
2016	77	88.3%
2017	101	96.0%
2018	236	94.1%
2019	122	97.5%

Traffic Outcomes

Table 4: Traffic Outcomes

year	Citation	Warning	Arrest
2015	5	48	0
2016	41	296	5
2017	97	511	1
2018	198	1456	0
2019	126	1207	0

Table 5: Traffic Outcomes by Race

Disposition	Race	Total	Share in Category
Citation	African American	398	13.6%
Citation	Asian	6	3.0%
Citation	Caucasian	40	6.1%
Citation	Hispanic	23	12.1%
Warning	African American	2526	86.4%
Warning	Asian	194	97.0%
Warning	Caucasian	615	93.9%
Warning	Hispanic	167	87.9%

Table 6: Traffic Search Outcomes by Race

Search	Race	Total	Share in Category
No	African American	2850	97.5%
No	Asian	200	100.0%
No	Caucasian	652	99.5%
No	Hispanic	189	99.5%
Yes	African American	74	2.5%
Yes	Caucasian	3	0.5%
Yes	Hispanic	1	0.5%

Table 7: Traffic Violation Outcomes by Race

IDOT Classification	African American	Asian	Caucasian	Hispanic
Equipment	6.4%	3.0%	5.3%	8.9%
Lane Violation	21.6%	22.5%	29.6%	23.2%
license plate/registration	1.2%	1.0%	0.6%	1.1%
moving violation	6.2%	6.0%	5.8%	4.7%
speed	4.8%	2.0%	2.4%	1.6%
Traffic Sign/Signal	60.0%	65.5%	56.2%	60.5%

Interview Outcomes

Table 8: Interview Search Outcomes by Race

Search	Race	Total	Share in Category
No	African American	468	82.1%
No	Caucasian	23	85.2%
Yes	African American	102	17.9%
Yes	Caucasian	4	14.8%

Table 9: Interview Disposition Outcomes by Race

Disposition	African American	Caucasian
arrested	3.5%	0%
Name Checked/Other	2.1%	14.8%
referred	2.3%	3.7%
released	92.1%	81.5%

Incident Outcomes

