Arrests Codebook

Arrests

- **date**: Date of the arrest in YYYY-MM-DD format.
- **hour**: Hour of the day when the arrest took place rounded to the nearest hour in military time.
- **crime_code**: The suspected crime type causing the arrest.
- **statute_description**: More detailed categories describing what specific statute was suspected to have been violated.
- **lat**: Latitude of the arrest.
- **lon**: Longitude of the arrest.
- **district**: Police district where the arrest took place.
- **civ.race**: Race of the civilian.
- **civ.gender**: Sex of the civilian.
- **civ.age**: Age of the civilian at the time of the stop.
- **arrest_id**: Identifier for each arrest.
- **officer_id**: Unique identifier for each officer.
- **month**: Month of the arrest in YYYY-MM-DD format. The day is always the first day of the month.
- **civilian_race_short**: Collapsed version of **civ.race** (less categories).
- The unit of analysis is a unique officer involved in an arrest. Each row can be uniquely identified by **officer_id** and **arrest_id**.
- Each arrest involves only one civilian, but they can involve multiple officers. It is possible multiple arrests are all a part of one larger incident involving multiple civilians. This can be investigated by examining arrests that took place in the same location at the same time involving the same officers.
- **Number of rows**: 321872
- **Number of unique arrests**: 164802 # **Number of unique officers**: 8369

"Arrests for municipal code violations and outstanding warrants are categorized as 'other' ". page 8 of Appendix Section S1.5 in Ba et al. 2021.

variable	value	nr	prop	nr_unique
civ.gender	MALE	262,116	0.814	3
civ.gender	FEMALE	59,722	0.186	3
civ.gender		34	0.000	3
civ.race	BLACK	214,048	0.665	6
civ.race	HISPANIC	70,132	0.218	6
civ.race	WHITE	34,528	0.107	6
civ.race	ASIAN/PACIFIC ISLANDER	2,167	0.007	6
civ.race		670	0.002	6
civ.race	NATIVE AMERICAN/ALASKAN NATIVE	327	0.001	6
civilian_race_short	civilian_black	214,048	0.665	6
civilian_race_short	civilian_hisp	70,132	0.218	6
civilian_race_short	civilian_white	34,528	0.107	6
civilian_race_short	civilian_aapi	2,167	0.007	6
civilian_race_short		670	0.002	6
civilian_race_short	civilian_native	327	0.001	6
crime_code	other	119,271	0.371	5
crime_code	violent	81,042	0.252	5
crime_code	property	57,604	0.179	5
crime_code	drug	36,240	0.113	5
crime_code	TRF	27,715	0.086	5
district	11	28,523	0.089	25
district	25	25,911	0.081	25
district	8	23,109	0.072	25
district	6	22,166	0.069	25
district	7	21,130	0.066	25
district	9	20,592	0.064	25
district	4	19,144	0.059	25

variable	value	nr	prop	nr__unique
district	10	19,134	0.059	25
district	15	18,995	0.059	25
district	3	17,732	0.055	25
district	5	14,253	0.044	25
district	19	11,458	0.036	25
district	18	10,463	0.033	25
district	2	10,152	0.032	25
district	12	9,786	0.030	25
district	1	8,194	0.025	25
district	14	7,622	0.024	25
district	22	7,279	0.023	25
district	24	7,143	0.022	25
district	17	7,014	0.022	25
district	16	5,946	0.018	25
district	20	4,510	0.014	25
district	13	1,274	0.004	25
district	23	193	0.001	25
district	21	149	0.000	25
statute_description	ISSUANCE OF WARRANT	37,930	0.118	1,621
statute_description	DOMESTIC BATTERY - BODILY HARM	19,191	0.060	1,621
statute_description	DOMESTIC BATTERY - PHYSICAL CONTACT	16,908	0.053	1,621
statute_description	PCS - POSSESSION - POSS AMT CON SUB EXCEPT (A)(D)	14,302	0.044	1,621
statute_description	RETAIL THEFT/DISP MERCH/<$300	14,208	0.044	1,621
statute_description	CRIMINAL TRESPASS TO LAND	11,387	0.035	1,621
statute_description	ASSAULT - SIMPLE	11,241	0.035	1,621
statute_description	BATTERY - MAKE PHYSICAL CONTACT	10,877	0.034	1,621
statute_description	BATTERY - CAUSE BODILY HARM	10,058	0.031	1,621

variable	value		nr	prop	nr__unique
statute_description	CANNABIS - POSSESS 2.5-10 GRMS		7,390	0.023	1,621

variable	mean	sd	min	p25	median	p75	max	iqr	mad	nr_missing	prop_missing
civ.age	32.552	11.916	18.000	23.000	29.000	41.000	94.000	18.00	11.861	22	0.000
hour	13.054	7.306	0.000	7.000	15.000	19.000	23.000	12.00	7.413	0	0.000
lat	41.834	0.082	41.645	41.766	41.837	41.896	42.023	0.13	0.098	59,621	0.185
lon	-87.676	0.059	-87.847	-87.722	-87.673	-87.633	-87.525	0.09	0.068	59,621	0.185

variable	nr__rows	nr__unique	nr__missing	prop_missing
arrest__id	321,872	164,802	0	0
officer__id	321,872	8,369	0	0

variable	min	p25	median	p75	max	nr__missing	prop_missing
date	2012-01-01	2012-11-01	2013-10-30	2014-11-26	2016-01-01	0	0

variable	unit__of__time	value	n	prop
date	day	1	10,873	0.034
date	day	2	10,614	0.033
date	day	3	10,530	0.033
date	day	4	10,318	0.032
date	day	5	10,257	0.032
date	day	6	10,361	0.032
date	day	7	10,735	0.033
date	day	8	10,774	0.033
date	day	9	10,680	0.033
date	day	10	10,394	0.032
date	day	11	10,844	0.034

variable	unit_of_time	value	n	prop
date	day	12	10,663	0.033
date	day	13	10,575	0.033
date	day	14	10,794	0.034
date	day	15	10,808	0.034
date	day	16	10,861	0.034
date	day	17	10,537	0.033
date	day	18	10,436	0.032
date	day	19	10,636	0.033
date	day	20	10,536	0.033
date	day	21	10,503	0.033
date	day	22	10,612	0.033
date	day	23	10,605	0.033
date	day	24	10,376	0.032
date	day	25	10,375	0.032
date	day	26	10,345	0.032
date	day	27	10,223	0.032
date	day	28	10,742	0.033
date	day	29	10,072	0.031
date	day	30	9,638	0.030
date	day	31	6,155	0.019
date	month	1	25,589	0.080
date	month	2	23,444	0.073
date	month	3	28,091	0.087
date	month	4	27,920	0.087
date	month	5	29,322	0.091
date	month	6	28,729	0.089
date	month	7	29,037	0.090

variable	unit_of_time	value	n	prop
date	month	8	29,251	0.091
date	month	9	26,751	0.083
date	month	10	26,672	0.083
date	month	11	24,205	0.075
date	month	12	22,861	0.071
date	year	2,012	93,904	0.292
date	year	2,013	77,869	0.242
date	year	2,014	76,430	0.237
date	year	2,015	73,488	0.228
date	year	2,016	181	0.001
hour	hour	17	24,766	0.077
hour	hour	18	23,757	0.074
hour	hour	16	22,517	0.070
hour	hour	19	19,786	0.061
hour	hour	23	18,724	0.058
hour	hour	0	18,293	0.057
hour	hour	22	18,027	0.056
hour	hour	15	17,807	0.055
hour	hour	1	17,173	0.053
hour	hour	20	16,150	0.050
hour	hour	2	14,820	0.046
hour	hour	21	14,743	0.046
hour	hour	10	10,760	0.033
hour	hour	3	10,555	0.033
hour	hour	9	10,146	0.032
hour	hour	11	9,810	0.030
hour	hour	12	9,322	0.029

variable	unit_of_time	value	n	prop
hour	hour	13	8,290	0.026
hour	hour	8	7,958	0.025
hour	hour	14	7,684	0.024
hour	hour	4	6,765	0.021
hour	hour	7	5,983	0.019
hour	hour	6	4,463	0.014
hour	hour	5	3,573	0.011