

Shift Assignment Codebook

Shift Assignments

- **officer__id**: Unique identifier for each officer.
- **month**: Month of the shift in YYYY-MM-DD format. The day is always the first day of the month.
- **rank**: Rank of the officer assigned to the shift.
- **unit**: Unit of the officer assigned to the shift.
- **date**: Date of the shift in YYYY-MM-DD format.
- **shift**: The shift the officer is assigned to.
- **start__time**: Hour start time of the shift in military time.
- **end__time**: Hour end time of the shift in military time.
- **weekday**: Day of the week of the shift.
- **beat__assigned**: The beat the officer is assigned to.
- **appointed__month**: The month and year the officer was made an officer.
- **months__from__start**: The number of months between the officer's appointment date and their shift date.
- **months__from__start__sq**: The number of months between the officer's appointment date and their shift date, squared.
- **duration**: Length of the shift in hours.
- Uniquely identified by **officer__id** and **date**. The unit of observation is a specific shift for a specific officer.
- **Number of shift assignments**: 3519518

col	min	first_q	med	mean	third_q	max	sd	iqr	mad	na	prcnt_na
start_time	0.0	7	14	13.87	20.5	23.5	6.02	13.5	10.38	48210	0.01
end_time	0.5	16	23	22.80	29.5	46.0	6.10	13.5	10.38	48210	0.01
months_from_start	1.0	107	172	172.18	230.0	646.0	83.78	123.0	90.44	778	0.00
months_from_start_sq	1.0	11449	29584	36663.51	52900.0	417316.0	31136.20	41451.0	29330.28	778	0.00
duration	0.0	9	9	8.93	9.0	23.5	0.39	0.0	0.00	48210	0.01

col	missing	nr_unique	prcnt_missing
officer_id	0	8502	0
month	0	49	0
date	0	1462	0
beat_assigned	0	6616	0
appointed_month	0	228	0

n	prcnt	name	value
3050853	0.8668383	rank	POLICE OFFICER
281965	0.0801147	rank	SERGEANT
74751	0.0212390	rank	POLICE OFFICER / FLD TRNG OFFICER
53765	0.0152762	rank	NA
28077	0.0079775	rank	POLICE OFFICER (ASSIGNED AS DETECTIVE)
16467	0.0046788	rank	COMMANDER
4678	0.0013292	rank	LIEUTENANT
3918	0.0011132	rank	POLICE OFFICER (ASSIGNED AS SECURITY SPECIALIST)
2909	0.0008265	rank	POLICE OFFICER (PER ARBITRATION AWARD)
1080	0.0003069	rank	POLICE OFFICER (ASSIGNED AS CANINE HANDLER)
350	0.0000994	rank	DEPUTY CHIEF
275	0.0000781	rank	POLICE AGENT
218	0.0000619	rank	EXPLOSIVES TECHNICIAN I
84	0.0000239	rank	POLICE OFFICER (ASGND AS MARINE OFFICER)
77	0.0000219	rank	POLICE OFFICER (ASSIGNED AS EVIDENCE TECHNICIAN)
47	0.0000134	rank	CHIEF
2	0.0000006	rank	SERGEANT (PER ARBTRN AGR)
1	0.0000003	rank	POLICE LEGAL OFFICER I
1	0.0000003	rank	POLICE LEGAL OFFICER II
210250	0.0597383	unit	7
200102	0.0568549	unit	8
197317	0.0560636	unit	11
194330	0.0552149	unit	2
191057	0.0542850	unit	12
185394	0.0526760	unit	9
184942	0.0525475	unit	19
182661	0.0518994	unit	3
179211	0.0509192	unit	6
176369	0.0501117	unit	4
169000	0.0480179	unit	25
149365	0.0424390	unit	10
144866	0.0411607	unit	24
139062	0.0395117	unit	15
137113	0.0389579	unit	18
132216	0.0375665	unit	22
131301	0.0373065	unit	5
124804	0.0354605	unit	14
117569	0.0334049	unit	1
114630	0.0325698	unit	20

114422	0.0325107	unit	17
110579	0.0314188	unit	16
23516	0.0066816	unit	13
4846	0.0013769	unit	23
4596	0.0013059	unit	21
1331644	0.3783598	shift	3
1204317	0.3421824	shift	2
983557	0.2794579	shift	1
547248	0.1554895	weekday	Tue
546066	0.1551536	weekday	Wed
538404	0.1529766	weekday	Thu
515802	0.1465547	weekday	Fri
508085	0.1443621	weekday	Mon
436811	0.1241110	weekday	Sat
427102	0.1213524	weekday	Sun