

EXAMPLE DALLAS PD AUTOMATED REPORT

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Intro

This is an example standard report, based on Dallas Open Crime Data, that [CRIME De-Coder](#) can help build for your agency.

This is automated to run once a week on my local computer. So should have up to date data and graphs, based on open Dallas PD crime data.

Year to Date Statistics

This tables displays year to date statistics, for the prior year as of the specified date compared to this year. Broken down by NIBRS crime categories.

Poisson Z-scores of greater than 3 indicate a substantive increase, and Poisson Z-scores less than 3 indicate a substantive decrease for the year-over-year stats.

NIBRS	2024	2025	Difference	Poisson-Z
ALL OTHER OFFENSES	2261	3197	936	18.0
DRIVING UNDER THE INFLUENCE	397	514	117	5.5
PUBLIC INTOXICATION	390	464	74	3.6
EMBEZZELMENT	74	97	23	2.5
FRAUD OFFENSES	812	877	65	2.2
FAMILY OFFENSES, NONVIOLENT	239	244	5	0.3
TRESPASS OF REAL PROPERTY	509	504	-5	-0.2
WEAPON LAW VIOLATIONS	589	583	-6	-0.2
STOLEN PROPERTY OFFENSES	198	190	-8	-0.6
COUNTERFEITING / FORGERY	79	61	-18	-2.2
ROBBERY	965	823	-142	-4.8
BURGLARY/ BREAKING & ENTERING	2513	2259	-254	-5.2
ASSAULT OFFENSES	3131	2748	-383	-7.1
DRUG/ NARCOTIC VIOLATIONS	3428	2893	-535	-9.5
DESTRUCTION/ DAMAGE/ VANDALISM OF PROPERTY	3682	3074	-608	-10.5
TRAFFIC VIOLATION - HAZARDOUS	1186	705	-481	-15.8
LARCENY/ THEFT OFFENSES	11632	9674	-1958	-19.0
MOTOR VEHICLE THEFT	13039	10063	-2976	-27.7

Temporal Crime Breakdown

These charts display weekly and monthly trends for specific crime types. Charts can be expanded to examine any particular type of crime breakdown you specify at the onset.

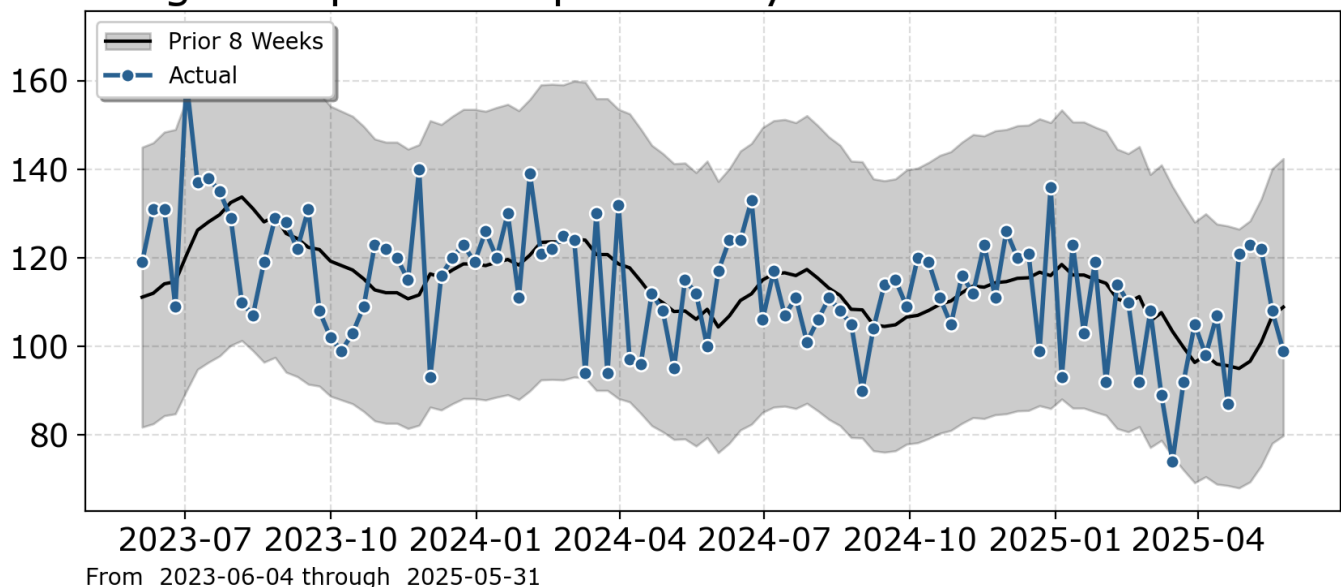
The weekly charts display error intervals (based on the Poisson Z-scores) for the running average of the prior 8 weeks. If an event is outside of these intervals, it signals that week is an outlier. The black line signals longer term trends.

The monthly chart displays seasonal trends compared to prior years, since 2018 in this data.

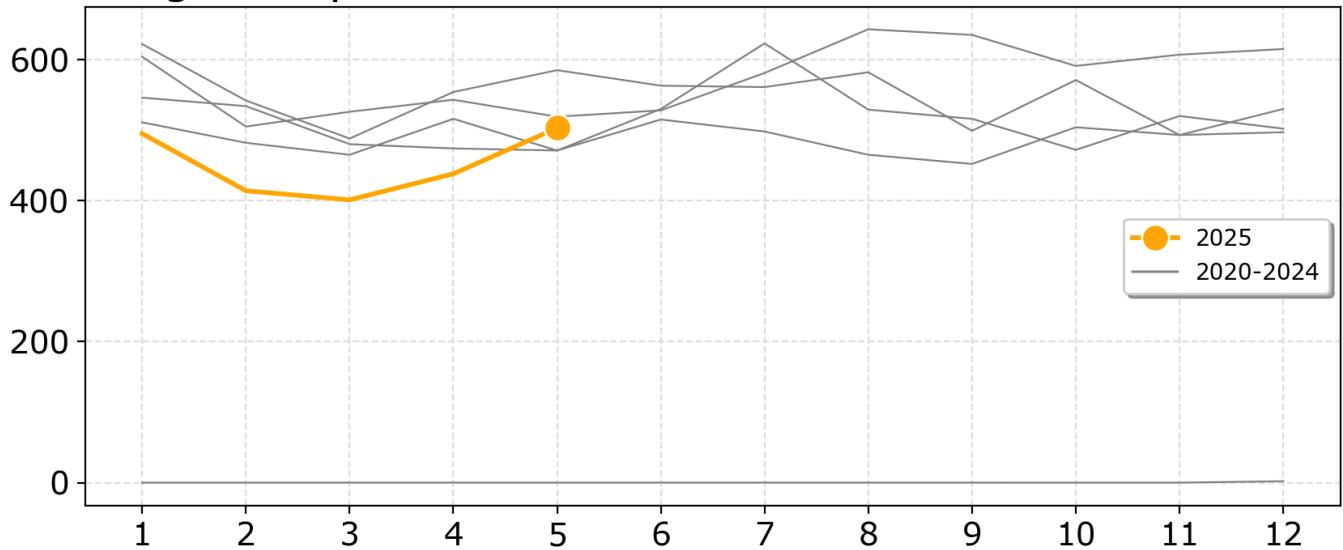
Charts only display completed time periods based on the data. So do not report partial months or weeks.

Burglary

Burglaries per week past two years

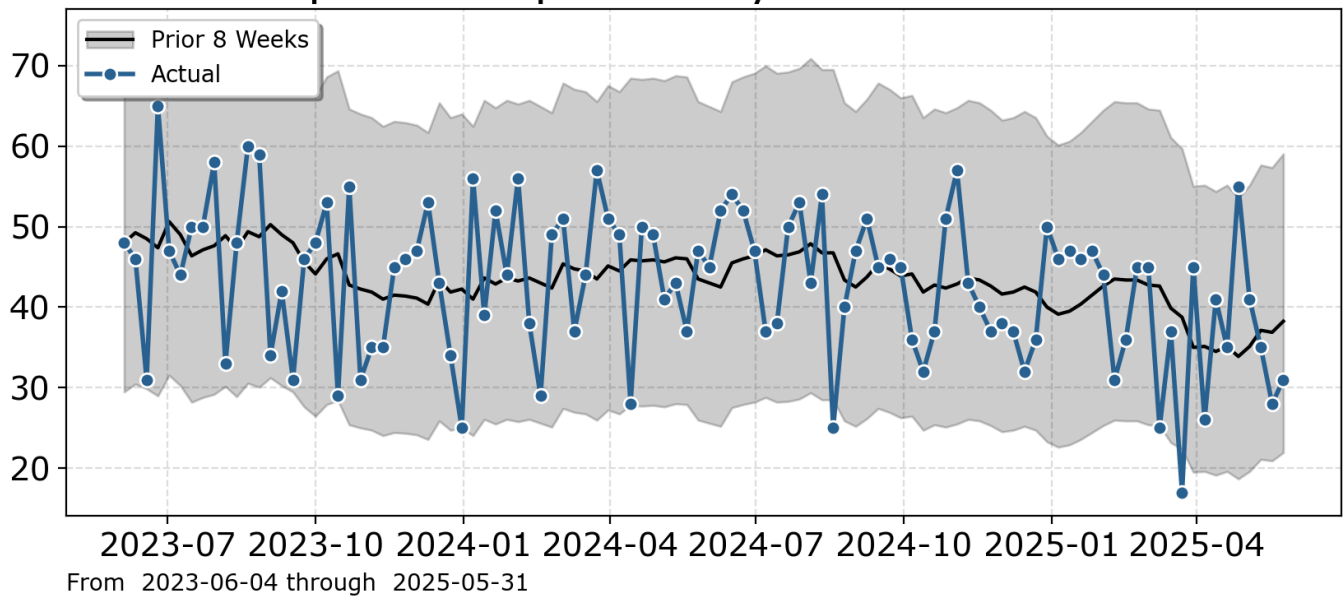


Burglaries per Month

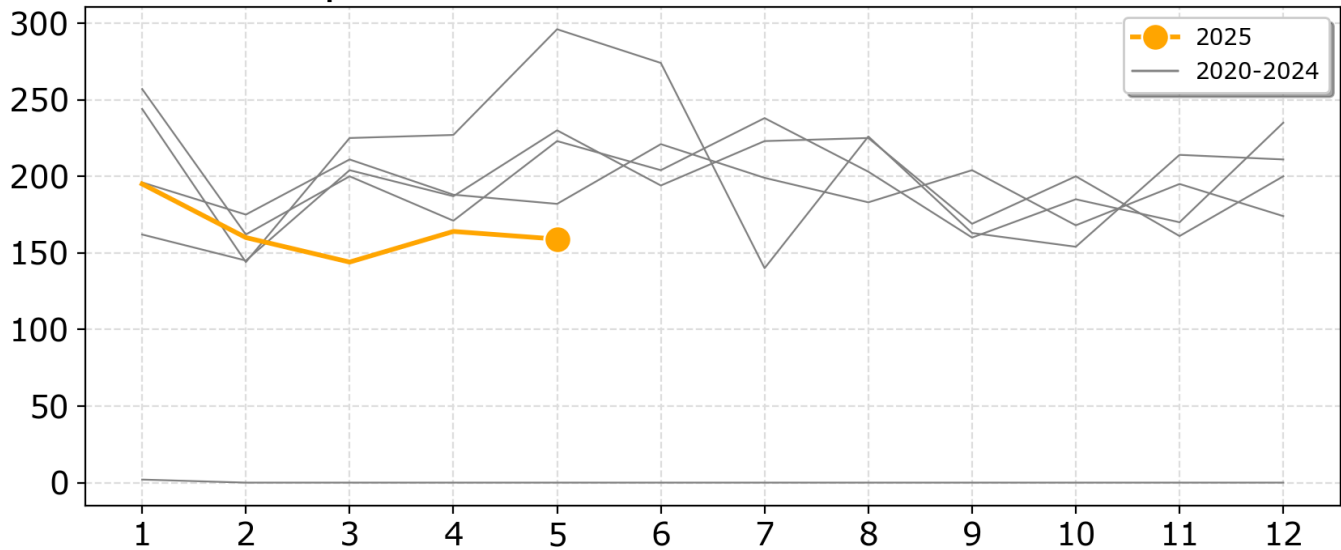


Robbery

Robberies per week past two years

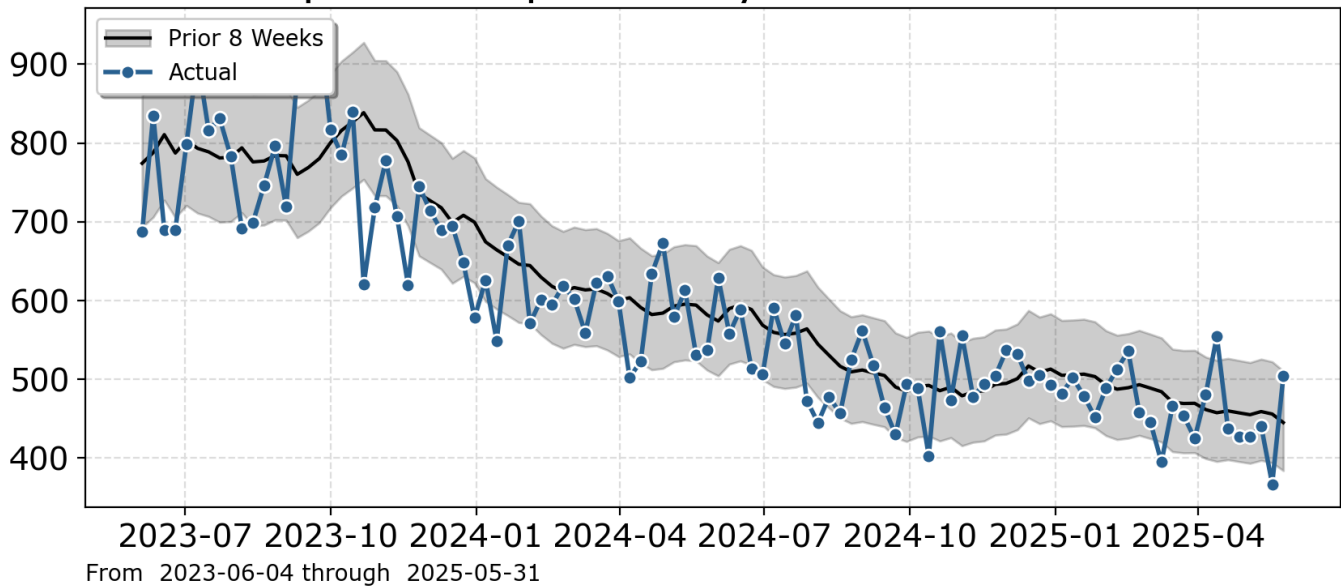


Robberies per Month

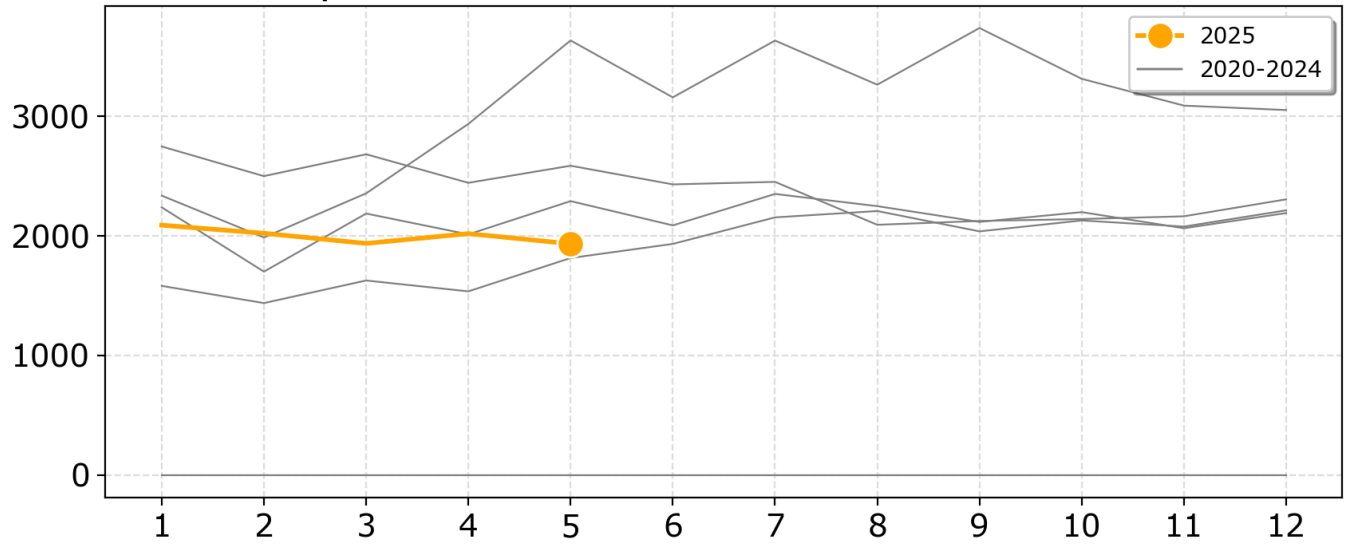


Motor Vehicle Theft

MV Theft per week past two years



MV Theft per Month



Repeat Harm Addresses

A common, simple technique to identify hot spots is to conduct repeat address mapping. For illustration here I aggregate crimes according to Harm Indices, and get the Top 10 Addresses for the data. These are labor cost of crime estimates for addresses, normalized per year. So an address with a cost of \$500,000 I expect generates half a million dollars of labor cost for Dallas PD to respond to crime incidents at that location.

I also include stats for crimes within the past 90 days, so you can identify if they are still recurring problem addresses, or if they have potentially cooled down.

Note I filter out several Dallas PD headquarter addresses, such as 1400 S LAMAR ST and 1400 BOTHAM JEAN BLVD, as this is Dallas PD headquarters.

Address	Cost	Property	Violent	Past 90 Prop.	Past 90 Viol.
8008 HERB KELLEHER WAY	\$736k	857	336	21	23
8687 N CENTRAL EXPY	\$451k	2007	25	68	0
8687 N CENTRAL SERV SB	\$230k	863	34	46	1
13350 DALLAS PKWY	\$193k	777	26	53	0
3550 E OVERTON RD	\$193k	319	78	23	3
9600 FOREST LN	\$178k	371	67	25	0
1521 N COCKRELL HILL RD	\$169k	607	28	48	3
1818 CORSICANA ST	\$160k	151	84	6	2
4722 MEADOW ST	\$148k	277	57	5	1
7401 SAMUELL BLVD	\$147k	494	28	19	1

Meta

This is an example crime report that can be automated. This is a basic demonstration using open crime data from Dallas.

Different charts and graphs can be amended to your particular tastes, as well as output formats, e.g. if you want online HTML, a PDF to be automatically emailed, or a word document that you can edit.

[Get in touch](#) if this is something you would be interested in building for your agency.