

Analysing crime in Ireland 2019-2023

Objective

The project focuses on analyzing crime in Ireland by examining yearly crime trends to understand shifts over time. It identifies the top offense types and explores the overall crime distribution across counties, highlighting areas with high crime rates. Special attention is given to Dublin, where most crimes occur, and nearest crime locations are mapped to provide actionable insights. The study also identifies the most common crime in Ireland, aiding in targeted crime prevention strategies.



Source: [data.gov.ie](#)

Dateset Name: Recorded Crime Ireland

[Home](#) / Publishers / Central Statistics Office / CJA07 - Recorded crime incidents

CJA07 - Recorded crime incidents

HIGH VALUE

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Category: Justice

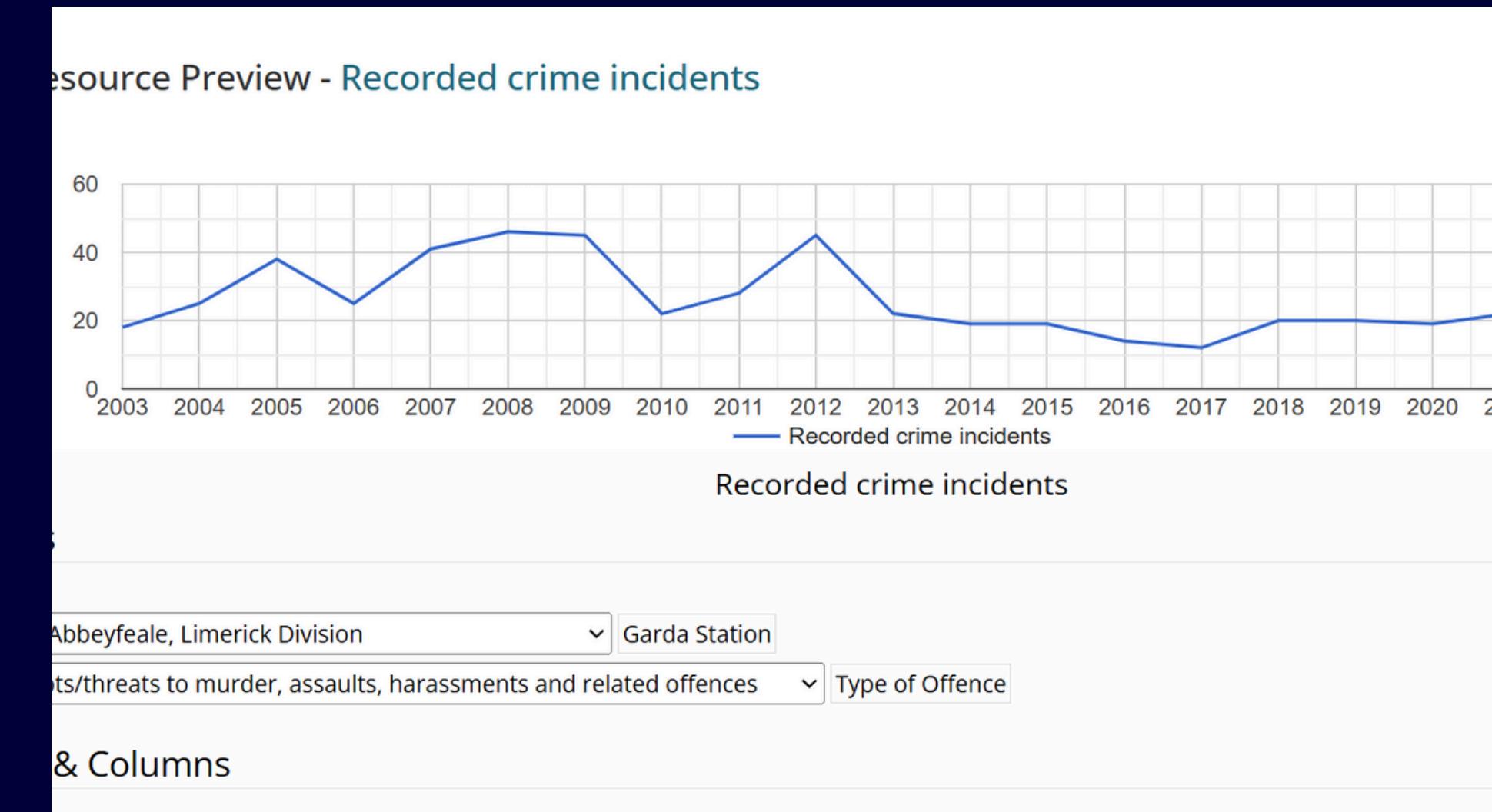
Views: 590

Openness rating: ★★★★☆

Recorded crime incidents

Data Resources (4)

- Recorded crime incidents [CSV](#)
- Details [Q](#)
- Download
- JSON-STAT



Yearly Crime Trends in Ireland

Total Number Of Crimes Fluctuated From 2019 to 2023



	year integer	total_crimes bigint
1	2019	183048
2	2020	155788
3	2021	153443
4	2022	171446
5	2023	176776

```
1 ▾ SELECT year, SUM(value) AS total_crimes
2   FROM crime_data123
3   GROUP BY year
4   ORDER BY year;
5
```

Top Crime Offenses

	type_of_offence character varying (255)	total bigint
1	Theft And Related Offences	266340
2	Public Order And Other Social Code Offences	120327
3	Attempts/Threats To Murder, Assaults, Harassments And Related Offences	89009
4	Damage To Property And To The Environment	88303
5	Controlled Drug Offences	81441
6	Burglary And Related Offences	48373
7	Fraud, Deception And Related Offences	47572
8	Offences Against Government, Justice Procedures And Organisation Of Cri...	43584
9	Dangerous Or Negligent Acts	33740
10	Weapons And Explosives Offences	11434
11	Robbery, Extortion And Hijacking Offences	9289
12	Kidnapping And Related Offences	592

```
CREATE Offense_Types AS
SELECT
    type_of_offence,
    SUM(value) AS total
FROM
    crime_data123
GROUP BY
    type_of_offence
ORDER BY
    total DESC;
```

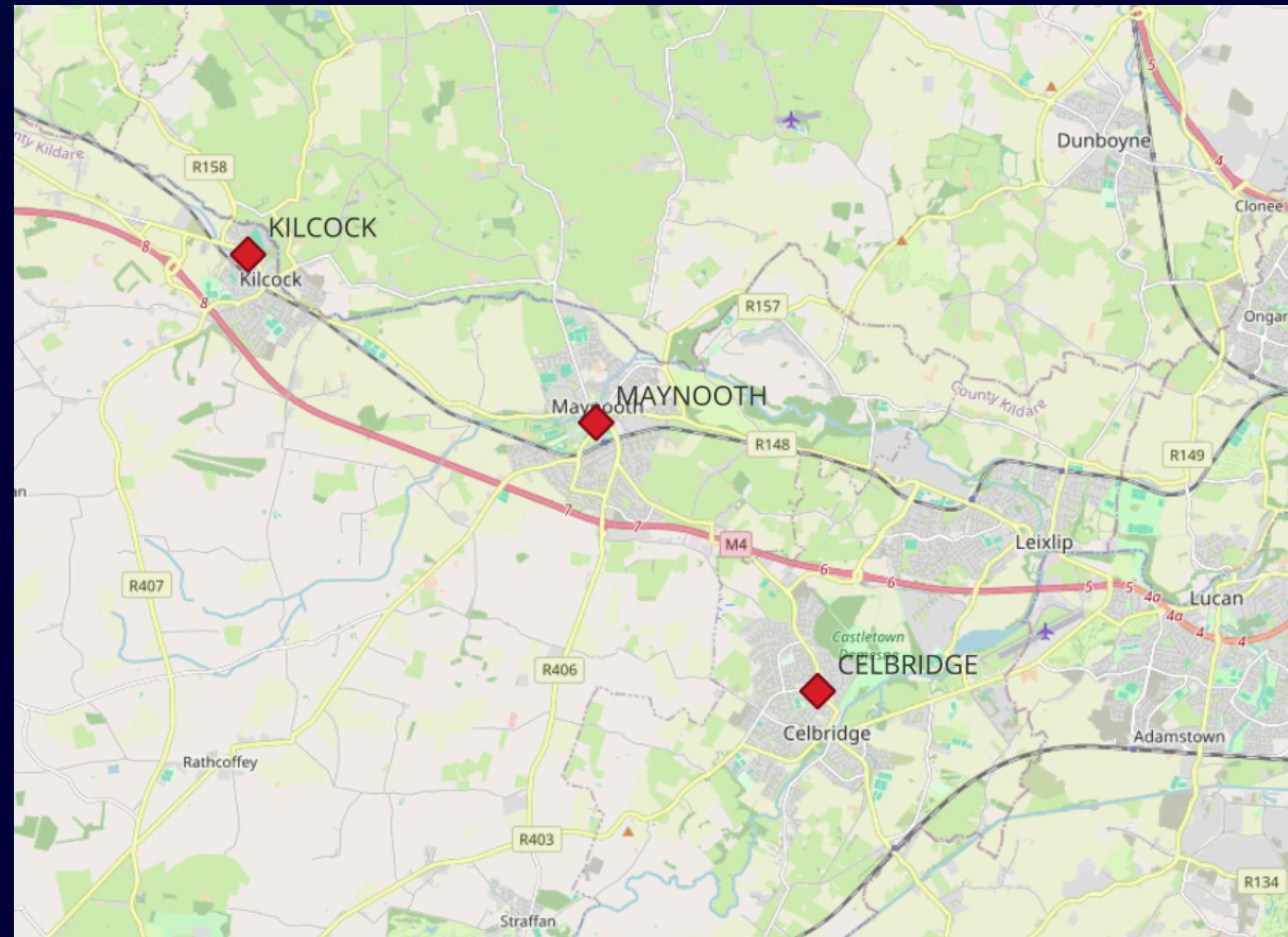
Crime Distribution across Counties

Dublin Having The Highest Cases.



```
CREATE VIEW crime_distribution_ir1 AS
SELECT
    ROW_NUMBER() OVER () AS primary_key, --
    county,
    station_name,
    SUM(value) AS total_crimes,
    AVG(latitude) AS avg_latitude,
    AVG(longitude) AS avg_longitude,
    geom_3857
FROM
    crime_data123
GROUP BY
    county,station_name,geom_3857
ORDER BY
    total_crimes DESC;
```

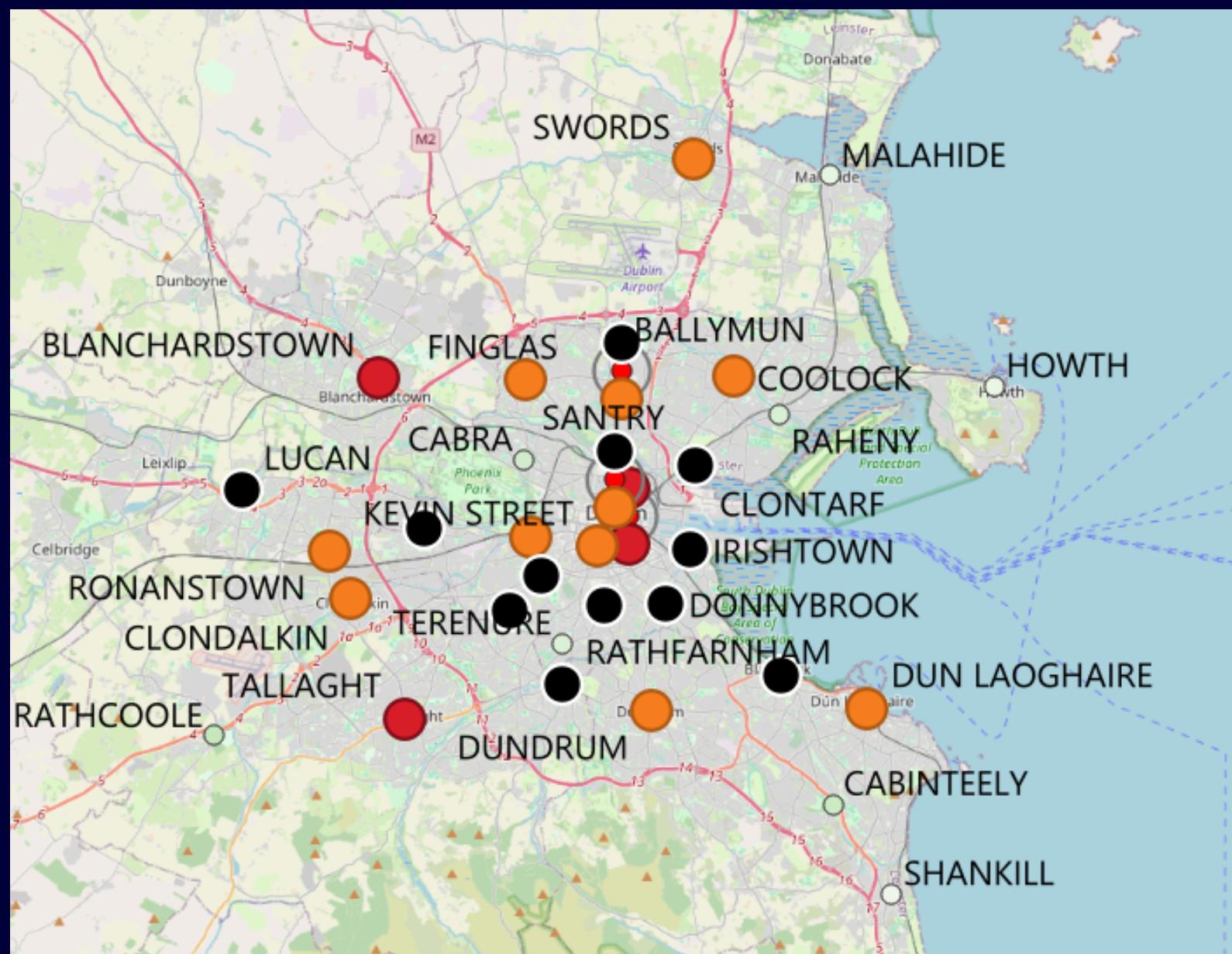
Nearest Crime Location Station From End User



The nearest crime location station is determined by calculating the shortest distance between the user's coordinates and all crime stations .

```
SELECT DISTINCT ON (county, station_name) *
FROM crime_data123
WHERE ST_DWithin(
geom_3857,
ST_Transform(ST_SetSRID(ST_MakePoint(-6.592727, 53.38081), 4326), 3857)
10000
```

Higest Crimes areas in Dublin

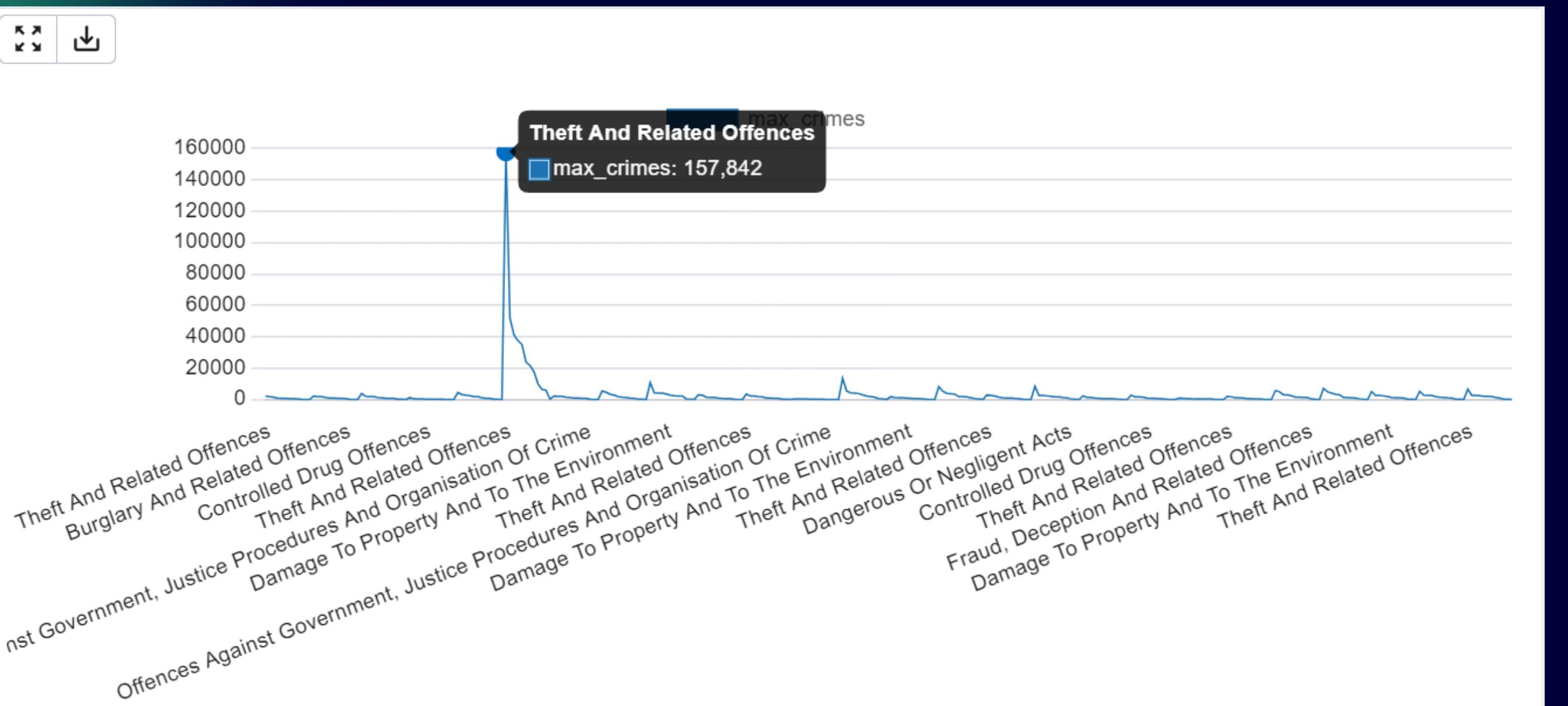


STORE STREET in Dublin records the highest crimes with 42,781 cases.

- Red : The highest crime area.
- Yellow : High Crime areas less than RED.
- Black : High Crime areas less than Yellow
- White : less Crime areas in Dublin

Most Common Crime in ireland

'Theft And Related Offences,' prominent in all counties



Top 10 County's Theft And Related Offences in Ireland

	county character varying (255) 	type_of_offence character varying (255) 	max_crimes bigint 
1	DUBLIN	Theft And Related Offences	157842
2	LIMERICK	Theft And Related Offences	13639
3	KILDARE	Theft And Related Offences	10770
4	MEATH	Theft And Related Offences	8380
5	LOUTH	Theft And Related Offences	8136
6	WATERFORD	Theft And Related Offences	7118
7	WICKLOW	Theft And Related Offences	6672
8	TIPPERARY	Theft And Related Offences	5730
9	WEXFORD	Theft And Related Offences	5264
10	WESTMEATH	Theft And Related Offences	5050

```
SELECT county,type_of_offence, MAX(total) AS max_crimes
FROM (
    SELECT county, type_of_offence, SUM(value) AS total
    FROM crime_data123
    WHERE crime_id = 8 |
    GROUP BY county, type_of_offence
) subquery
GROUP BY county, type_of_offence
ORDER BY max_crimes DESC;
```

Crime Offence in Maynooth

The Most Reported offense is Attempts/Threats To Murder, Assaults, Harassments And Related Offences

	station_name character varying (255)	type_of_offence character varying (255)	max_crimes bigint	county character varying (255)
1	MAYNOOTH	Theft And Related Offences	1338	KILDARE
2	MAYNOOTH	Controlled Drug Offences	466	KILDARE
3	MAYNOOTH	Public Order And Other Social Code Offences	366	KILDARE
4	MAYNOOTH	Burglary And Related Offences	251	KILDARE
5	MAYNOOTH	Attempts/Threats To Murder, Assaults, Harassments And Related Offences	236	KILDARE
6	MAYNOOTH	Fraud, Deception And Related Offences	221	KILDARE
7	MAYNOOTH	Damage To Property And To The Environment	199	KILDARE
8	MAYNOOTH	Dangerous Or Negligent Acts	184	KILDARE
9	MAYNOOTH	Offences Against Government, Justice Procedures And Organisation Of Cri...	29	KILDARE
10	MAYNOOTH	Robbery, Extortion And Hijacking Offences	29	KILDARE
11	MAYNOOTH	Weapons And Explosives Offences	18	KILDARE
12	MAYNOOTH	Kidnapping And Related Offences	2	KILDARE

```
SELECT station_name, type_of_offence, MAX(total) AS max_crimes, county
FROM (
    SELECT county, station_name, type_of_offence, SUM(value) AS total
    FROM crime_data123
    WHERE county = 'KILDARE' AND station_name = 'MAYNOOTH'
    GROUP BY county, type_of_offence, station_name
) subquery
GROUP BY county, type_of_offence, station_name
ORDER BY county, max_crimes DESC;
```

Thank
you!