# Crime Insights Powered by SAS and Zencos

Protecting citizens and reducing crime by transforming law enforcement data into actionable intelligence

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# Challenges Crime Insights Solution Addresses

## Organizational and Analysis Related

- Crime Increases
- Explosion of Violent Crime
- Gun Violence
- Opioid Epidemic
- Rapidly Shifting Crime Problems
- Public Transparency

- Too much data
- Data coming in too fast
- Siloed data
- Manual Processes
- Lack of Analytic Technology
- Lack of  IT or Analytic Expertise
- Too Many versions of the truth

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# How can Crime Insights Solution assist departments?

## Command Support

Budget Decisions

Regulatory Compliance

Resource Allocation

Response Prioritization

## Actionable Intelligence

Crime Series Identification

Risk Assessment

Tactical Planning

Lead Generation

## Project Support

Problem-Oriented Policing

SARA Model

Community Oriented Policing

Other Crime Reduction Programs
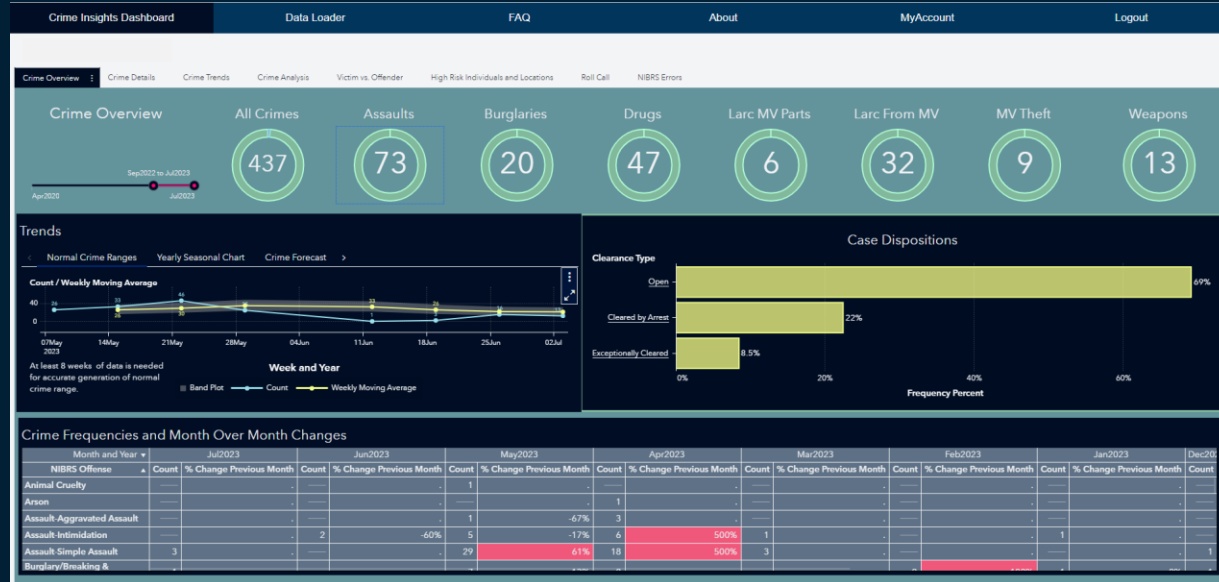
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# Crime Insights Solution  Benefits

- Integrate siloed data

- Easy to interpret, actionable intelligence

- Faster time to insight

- Addresses needs of all agency levels

- Zero technological footprint

- Extendible and configurable

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# High Level Insights

# Crime Overview Tab
## Executive Level Dashboard

- Major Crime Statistics At a Glance

- Easy navigation to refine:
  - Date
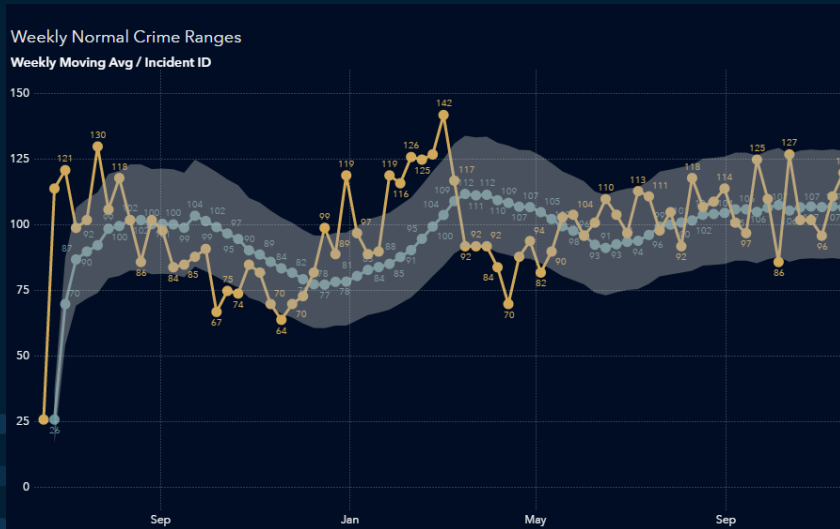  - Crime Type

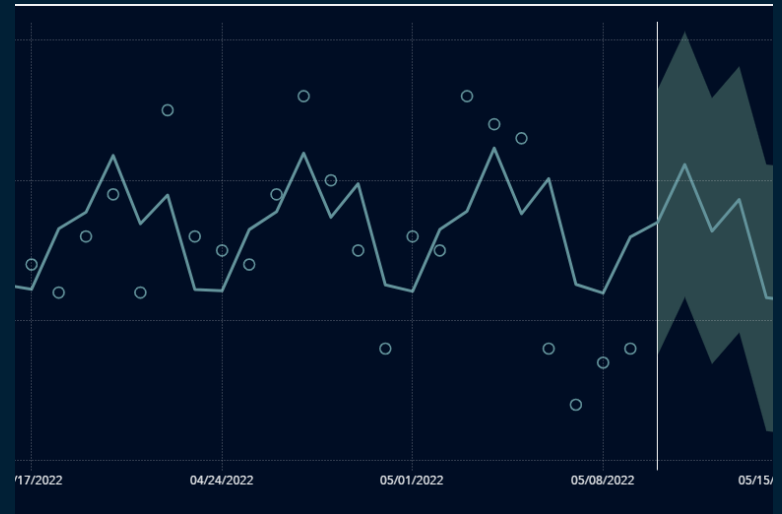- Provides additional context on crime numbers

# Advanced Analytics

Analytics like Poisson Distribution analysis helps you identify  anomalies  in crime outside the norm.
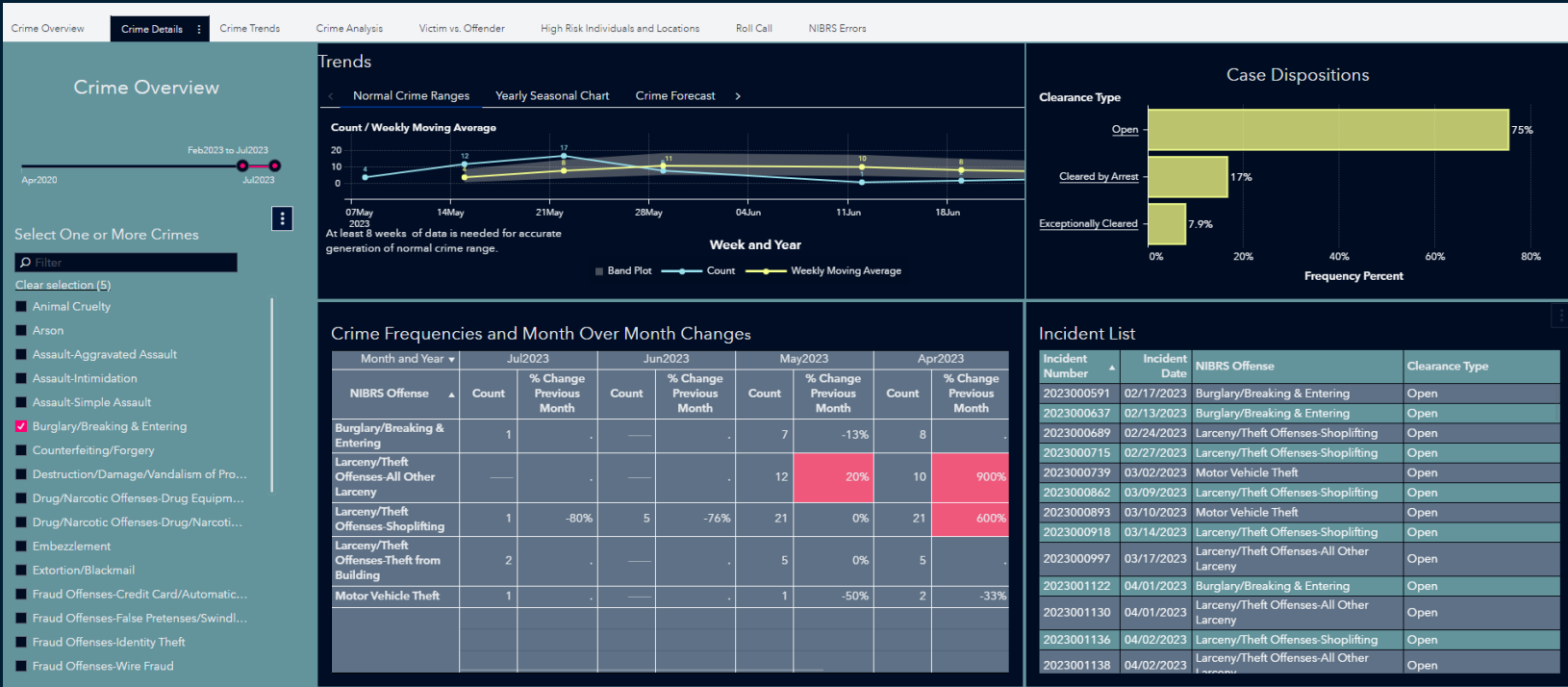
Advanced forecasting models  built into the solution



*Seasonal Exponential Smoothing model auto-selected based on historical data patterns.
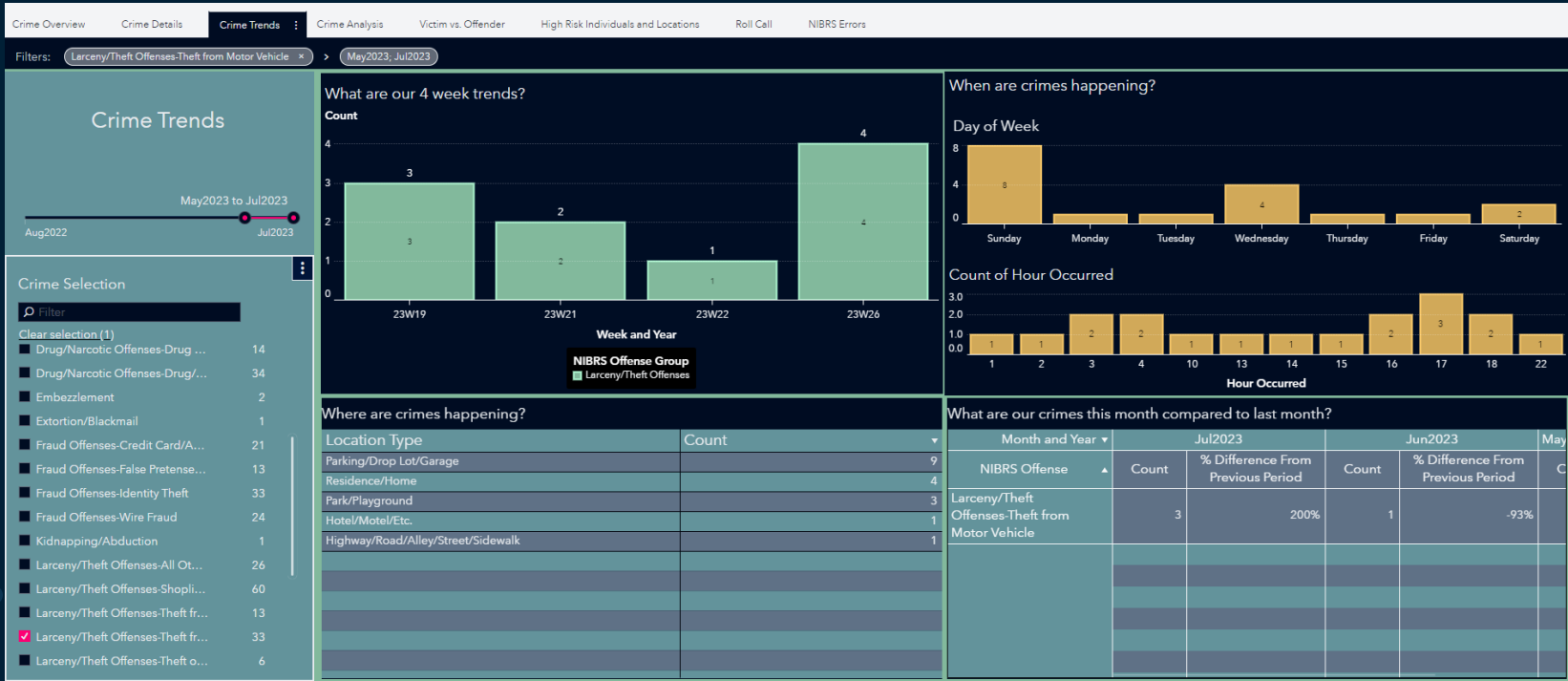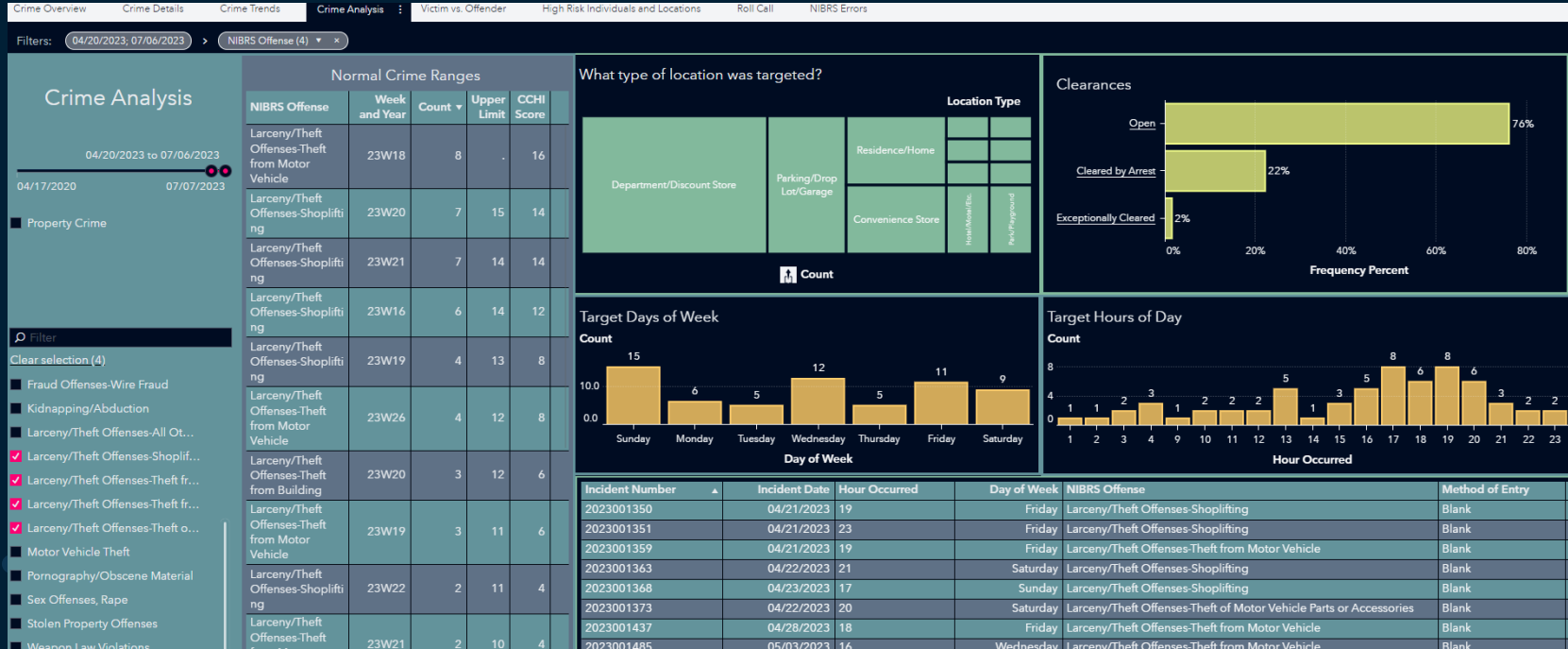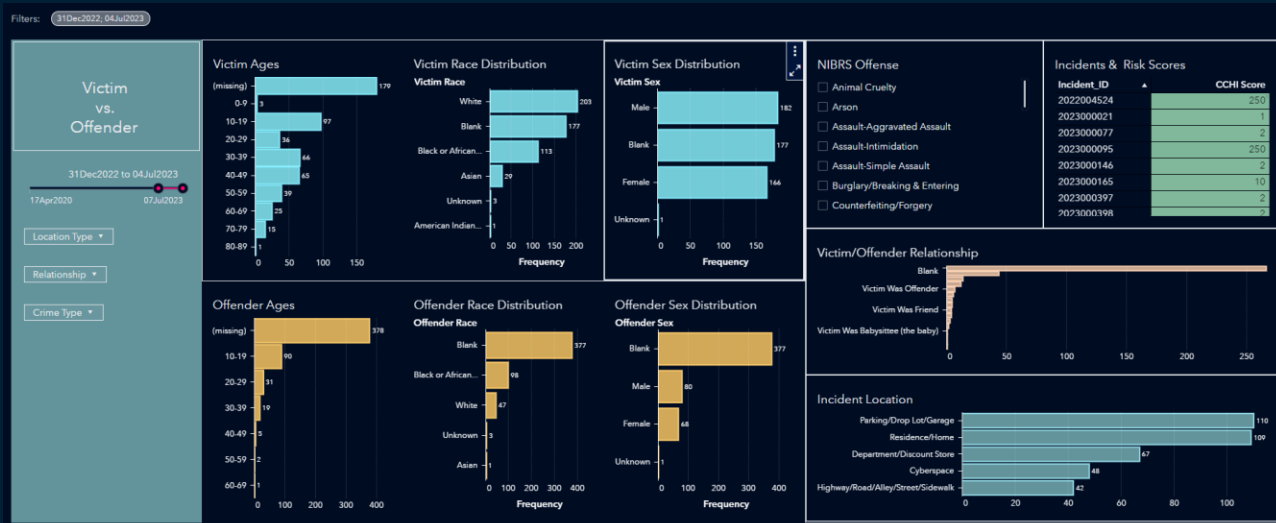
# Crime Analysis View
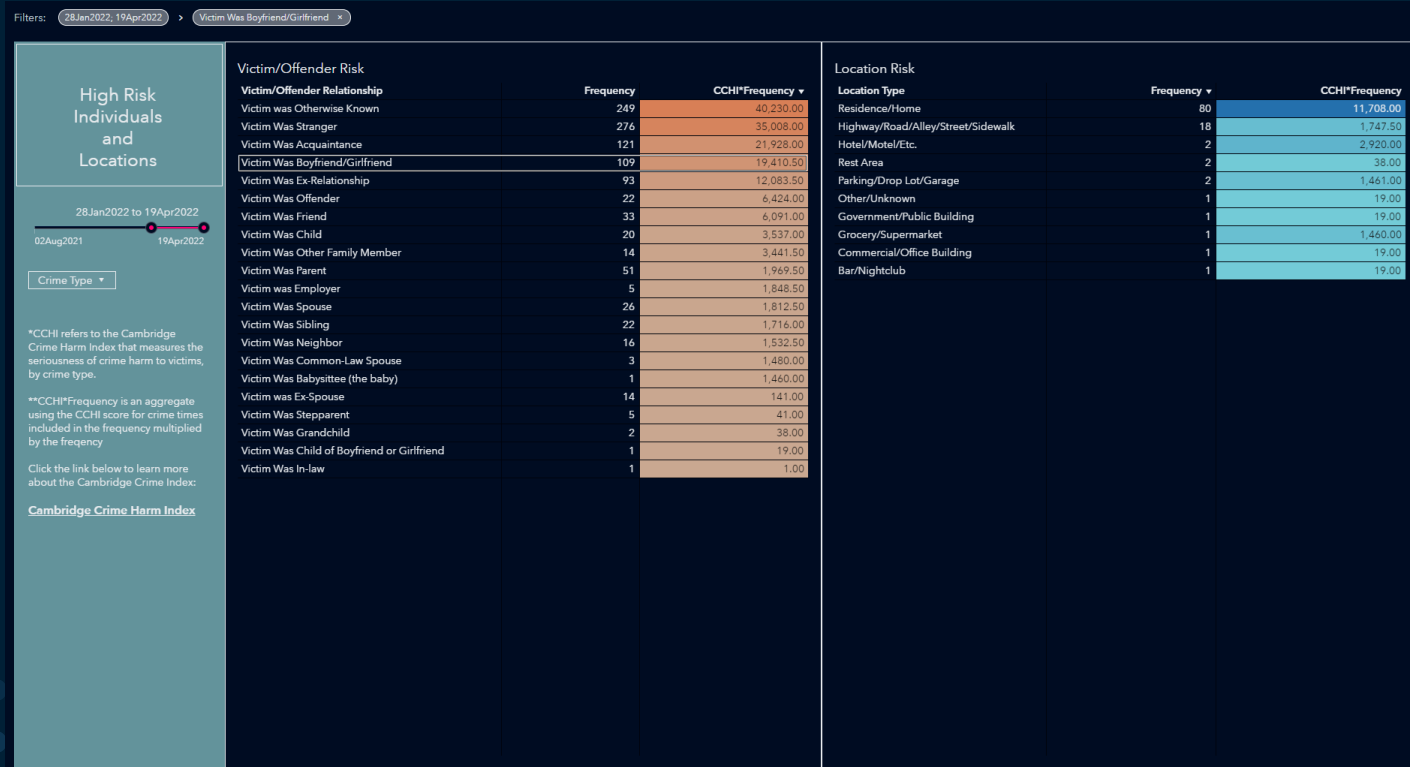
## Crime Series Identification

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# Victim and Offender Profiles



- Analyze Victim Demographics by crime, relationship to offender and location type

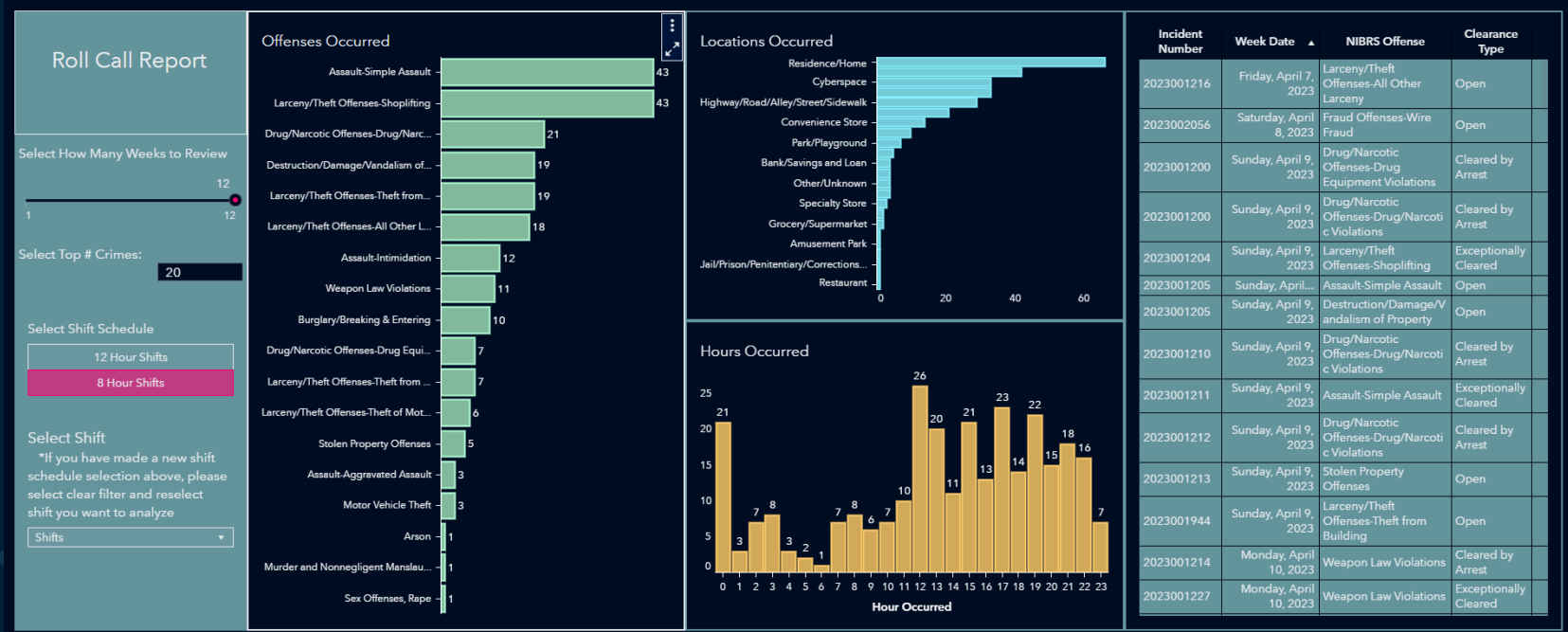- Analyze offender demographics as they relate to victims

# Victim/Offender Relationship
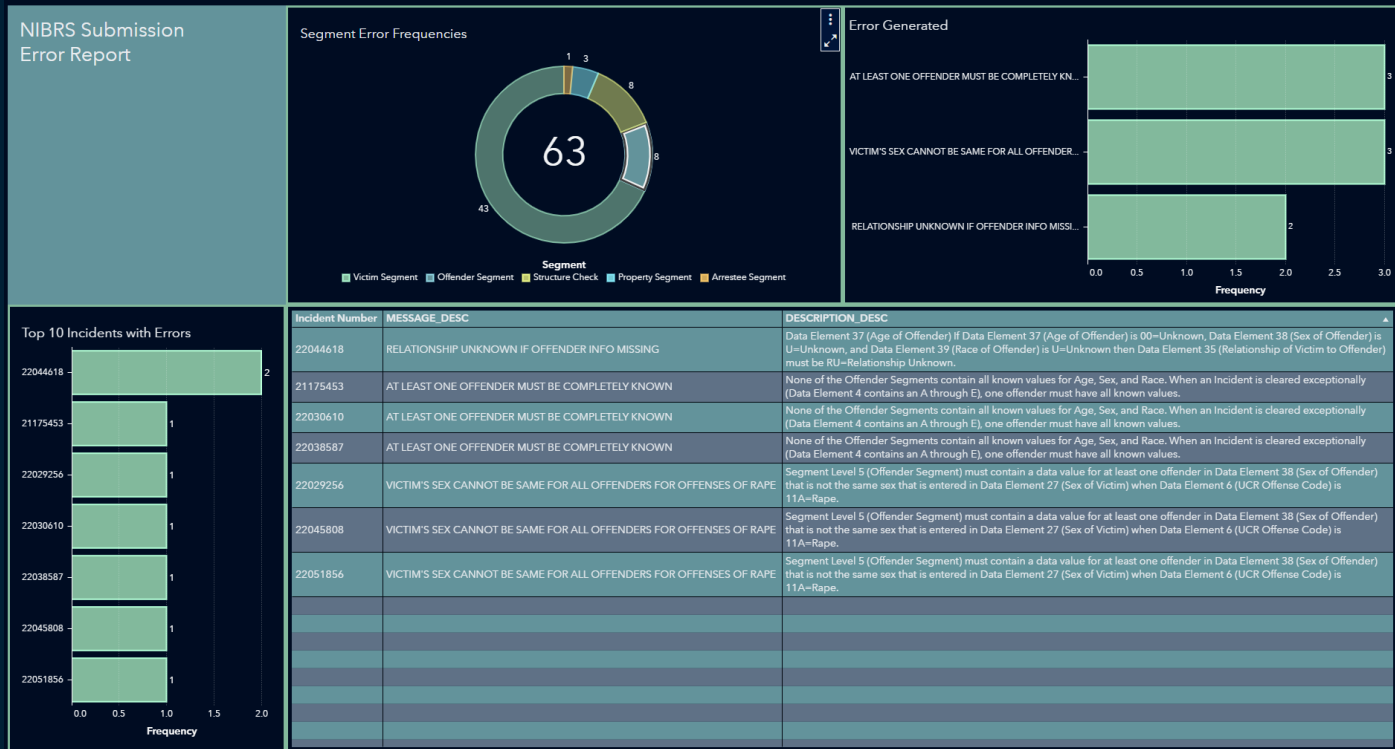
## As they relate to crime and location type

Filters: [ 28Jan2022, 19Apr2022 ] > [ Victim Was Boyfriend/Girlfriend × ]

### High Risk Individuals and Locations

28Jan2022 to 19Apr2022

02Aug2021 ———●———●——— 19Apr2022

[ Crime Type ▼ ]

*CCHI refers to the Cambridge Crime Harm Index that measures the seriousness of crime harm to victims, by crime type.

**CCHI*Frequency is an aggregate using the CCHI score for crime times included in the frequency multiplied by the freqency

Click the link below to learn more about the Cambridge Crime Index:

**Cambridge Crime Harm Index**

### Victim/Offender Risk

| Victim/Offender Relationship | Frequency | CCHI*Frequency ▾ |
|---|---|---|
| Victim was Otherwise Known | 249 | 40,230.00 |
| Victim Was Stranger | 276 | 35,008.00 |
| Victim Was Acquaintance | 121 | 21,928.00 |
| Victim Was Boyfriend/Girlfriend | 109 | 19,410.50 |
| Victim Was Ex-Relationship | 93 | 12,083.50 |
| Victim Was Offender | 22 | 6,424.00 |
| Victim Was Friend | 33 | 6,091.00 |
| Victim Was Child | 20 | 3,537.00 |
| Victim Was Other Family Member | 14 | 3,441.50 |
| Victim Was Parent | 51 | 1,969.50 |
| Victim was Employer | 5 | 1,848.50 |
| Victim Was Spouse | 26 | 1,812.50 |
| Victim Was Sibling | 22 | 1,716.00 |
| Victim Was Neighbor | 16 | 1,532.50 |
| Victim Was Common-Law Spouse | 3 | 1,480.00 |
| Victim Was Babysittee (the baby) | 1 | 1,460.00 |
| Victim was Ex-Spouse | 14 | 141.00 |
| Victim Was Stepparent | 5 | 41.00 |
| Victim Was Grandchild | 2 | 38.00 |
| Victim Was Child of Boyfriend or Girlfriend | 1 | 19.00 |
| Victim Was In-law | 1 | 1.00 |

### Location Risk

| Location Type | Frequency ▾ | CCHI*Frequency |
|---|---|---|
| Residence/Home | 80 | 11,708.00 |
| Highway/Road/Alley/Street/Sidewalk | 18 | 1,747.50 |
| Hotel/Motel/Etc. | 2 | 2,920.00 |
| Rest Area | 2 | 38.00 |
| Parking/Drop Lot/Garage | 2 | 1,461.00 |
| Other/Unknown | 1 | 19.00 |
| Government/Public Building | 1 | 19.00 |
| Grocery/Supermarket | 1 | 1,460.00 |
| Commercial/Office Building | 1 | 19.00 |
| Bar/Nightclub | 1 | 19.00 |

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# NIBRS Submission Error Report

## Discover Your Submission Error Trends

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Zencos consultants have decades of direct experience deploying SAS technologies, whether on-premise or in the cloud

Delivering SAS technologies since 2001

Supports CJIS cloud environments

Award Winning Company including CIO Big Data 100 Most promising Big Data Consulting Company  and SAS Innovator of the Year



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# Crime Insights Powered by SAS

## SAS Solution Hosted and Supported by Zencos

For any technological
issues contact:        ci-support@zencos.com

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