



## 2022 US CRIME TRENDS AND CORRELATION REPORT

### ILLUSTRATING THE **PREDICTIVE POWER** OF CAP SCORES

*This study provides an analysis of nearly 4.4 million address-specific crimes reported in major US cities and their correlations with CAP Scores.*

# ABOUT THE ANALYSIS

*CAP Index's Crime Risk Consulting & Analytics team conducted an analysis to study various crime trends as well as validate the strength of the correlation between CAP Index Scores and reported crime frequencies. In this analysis, we looked at nearly 4.4 million address-specific crimes reported in major US cities from 2019–March 15, 2022.*

## OUR PROCESS

**Step 1:** We gathered and reviewed crime data reported by 16 police departments throughout the United States.

**Step 2:** Each reported crime was assigned a CAP Score and grouped into one of four CAP Index Risk Categories. Some crime types were not available across all cities.

**Step 3:** We analyzed the relationships between reported crimes and CAP Scores as well as temporal trends for each crime category.

**Conclusion:** *The results of our analysis illustrate the direct correlation between the predictive nature of CAP Scores and the actual occurrence of crime throughout the United States.*

## CRIME TYPES REVIEWED IN THIS REPORT:

Homicide



Rape



Robbery



Aggravated Assault



Simple Assault



Burglary



Larceny



Motor Vehicle Theft



Vandalism



Drug Offenses



Arson



# 2019-2022 CRIME TRENDS

The following tables illustrate the year-over-year trends across eleven major crime categories.

The annual numbers below show the clear impact of COVID-19 and the potential influence of civil unrest on crime in 2020 and 2021. Focusing on the more recent data at the bottom of the chart, we see crime changes as major cities emerge from the pandemic.

Please note that data availability varies by police department. Please see the Appendix for more information.



	Homicide	Rape	Robbery	Aggravated Assault	Simple Assault
<b>2019</b>	2,751	9,976	72,566	102,612	235,890
<b>2020</b>	3,831 ↑ 39.3%	8,362 ↓ - 16.2%	64,281 ↓ - 11.4%	111,698 ↑ 8.9%	197,725 ↓ -16.2%
<b>2021</b>	4,077 ↑ 6.4%	8,954 ↑ 7.1%	62,529 ↓ - 2.7%	116,036 ↑ 3.9%	207,103 ↑ 4.7%
<b>Jan-Mar* 2021</b>	414	991	6,461	11,017	19,127
<b>Jan-Mar* 2022</b>	422 ↑ 1.9%	856 ↓ - 13.6%	6,887 ↑ 6.6%	10,850 ↓ -1.5%	20,671 ↑ 8.1%

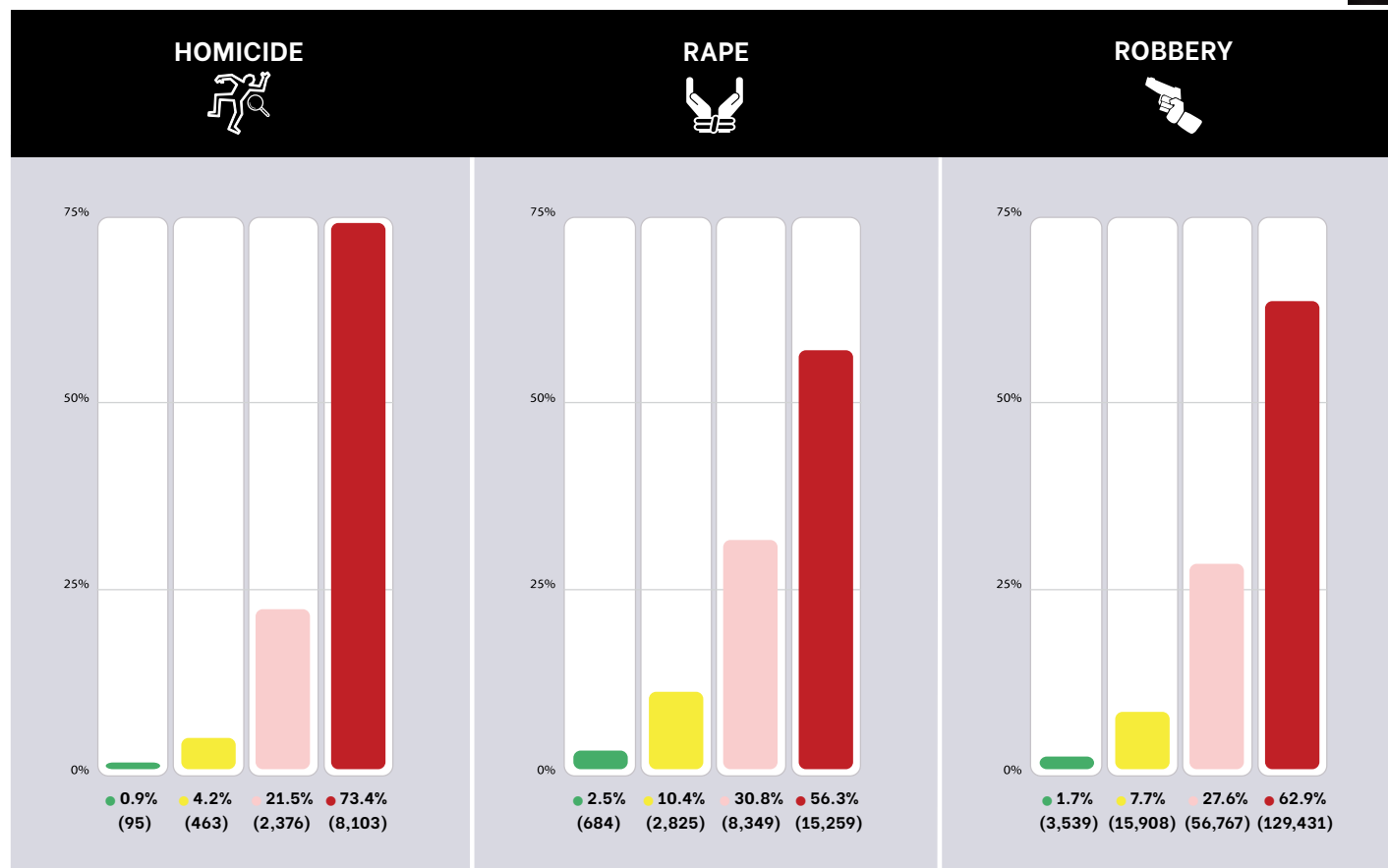


	Burglary	Larceny	Motor Vehicle Theft	Vandalism	Drug Offenses	Arson
<b>2019</b>	108,860	609,193	89,671	174,744	75,883	3,749
<b>2020</b>	107,720 ↓ - 1.0%	510,045 ↓ - 16.3%	109,473 ↑ 22.1%	175,288 ↑ 0.3%	52,543 ↓ - 30.8%	4,863 ↑ 29.7%
<b>2021</b>	94,629 ↓ - 12.2%	532,433 ↑ 4.7%	133,917 ↑ 22.3%	172,607 ↓ - 1.5%	47,561 ↓ - 9.5%	4,715 ↓ - 3.0%
<b>Jan-Mar* 2021</b>	11,902	54,659	17,295	15,340	5,923	599
<b>Jan-Mar* 2022</b>	11,657 ↓ -2.1%	58,715 ↑ 7.4%	19,993 ↑ 15.6%	14,910 ↓ - 2.8%	5,114 ↓ - 13.7%	533 ↓ - 11.0%

\*Includes data through March 15th.

# CORRELATION ANALYSIS: CRIMES AGAINST PERSONS

The following charts illustrate the percentages and counts of crimes as broken down by the CAP Index Risk Categories listed below. As measured by CAP Index Scores, the vast majority of crimes against persons occurred in socially disorganized neighborhoods.



CAP Scores are based on a scale of 0 to 2000, with 0 representing the lowest risk and 2000 the highest - 100 is average.

● 0-99

● 100-199

● 200-399

● 400-2000

Below Average Risk

Moderate Risk

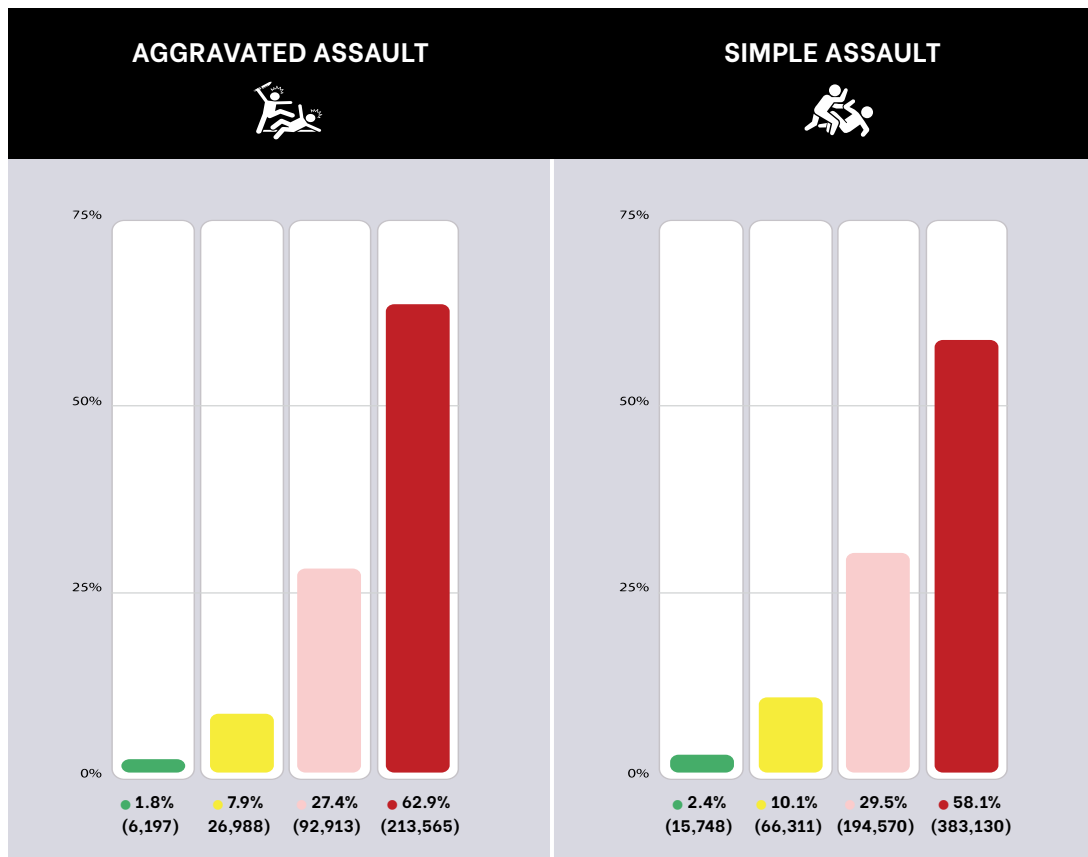
Mildly Elevated Risk

Moderately to Substantially Elevated Risk



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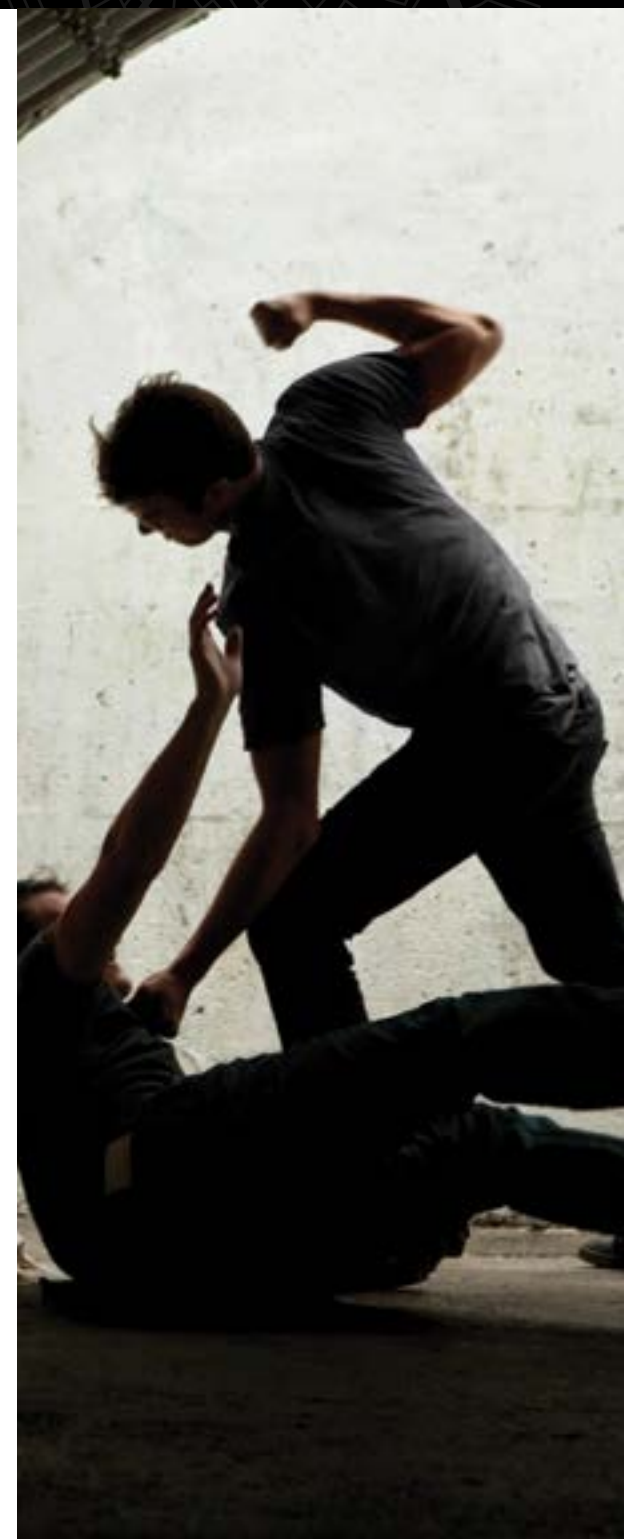
● 400-2000

Below Average Risk

Moderate Risk

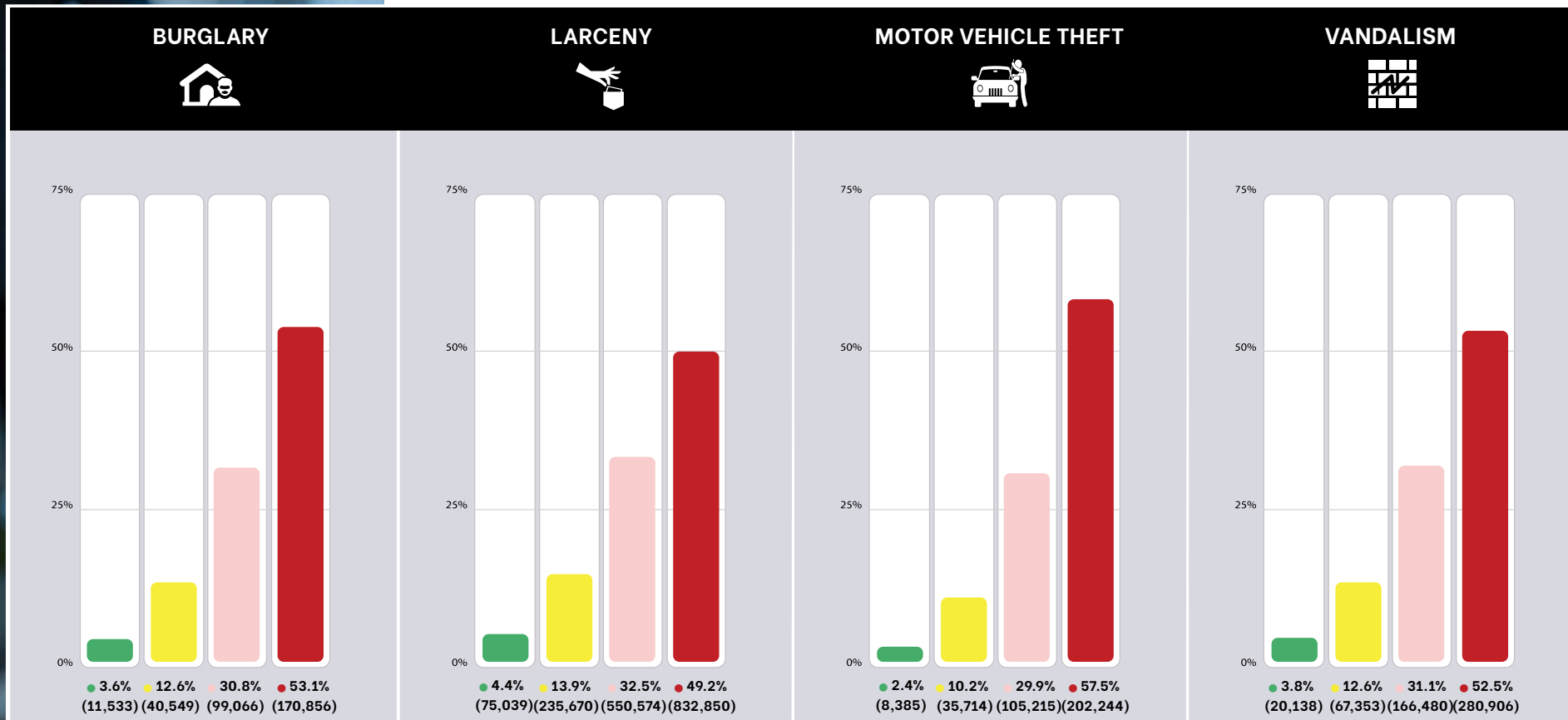
Mildly Elevated Risk

Moderately to Substantially Elevated Risk



# CORRELATION ANALYSIS: CRIMES AGAINST PROPERTY

The following charts illustrate the percentages and counts of crimes as broken down by the CAP Index Risk Categories listed below. As measured by CAP Index Scores, the vast majority of crimes against property occurred in socially disorganized neighborhoods.

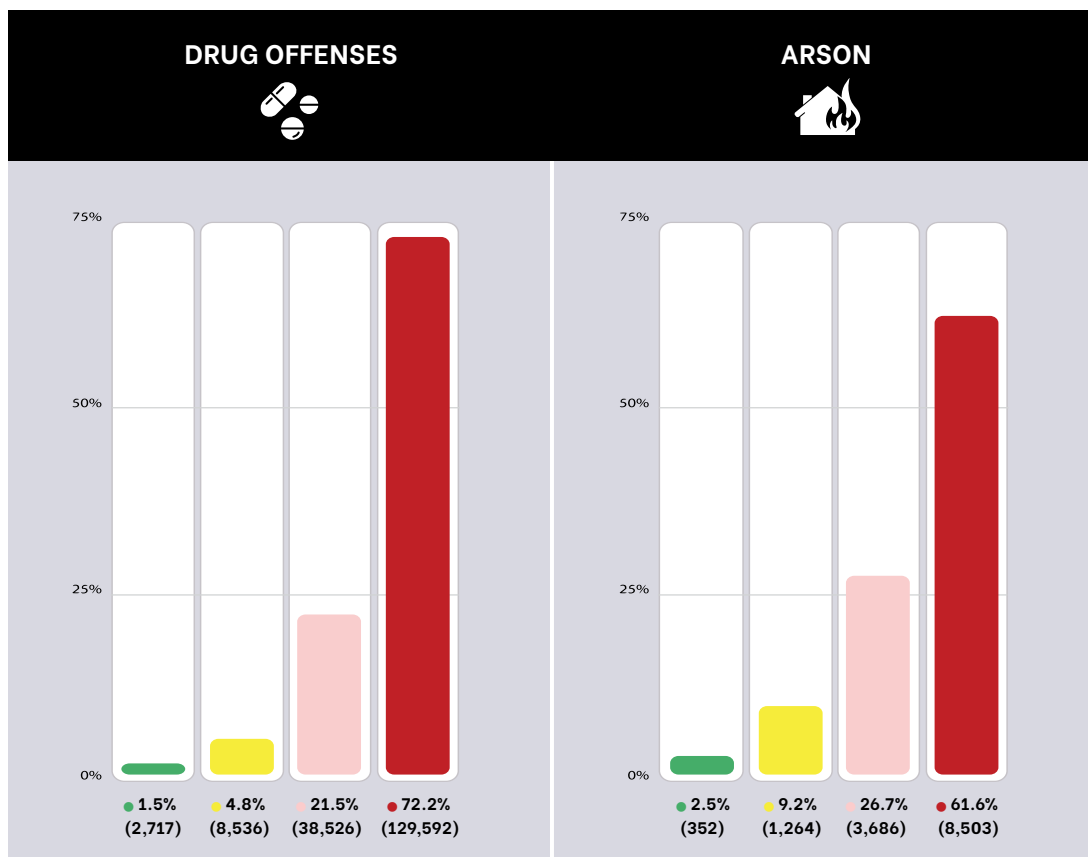


CAP Scores are based on a scale of 0 to 2000, with 0 representing the lowest risk and 2000 the highest - 100 is average.

● **0-99** ● **100-199** ● **200-399** ● **400-2000**  
 Below Average Risk      Moderate Risk      Mildly Elevated Risk      Moderately to Substantially Elevated Risk

## CORRELATION ANALYSIS: OTHER CRIMES

The following charts illustrate the percentages and counts of crimes as broken down by the CAP Index Risk Categories listed below. As measured by CAP Index Scores, the vast majority of other crimes occurred in socially disorganized neighborhoods.



CAP Scores are based on a scale of 0 to 2000, with 0 representing the lowest risk and 2000 the highest - 100 is average.

<span style="color: green;">●</span> <b>0-99</b>	<span style="color: yellow;">●</span> <b>100-199</b>	<span style="color: pink;">●</span> <b>200-399</b>	<span style="color: red;">●</span> <b>400-2000</b>
Below Average Risk	Moderate Risk	Mildly Elevated Risk	Moderately to Substantially Elevated Risk



## ABOUT CAP INDEX

MORE THAN  
**80%**  
of Fortune 100  
companies rely  
on CAP Index

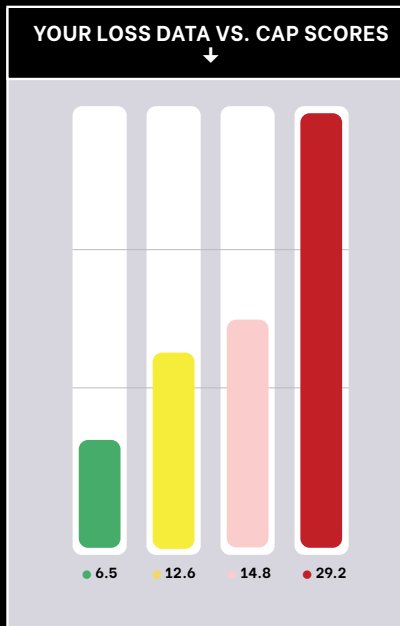
*CAP Index provides you with essential data and tools to optimize security programs across your company and locations. Our solutions offer a systematic approach for helping to reduce loss and prevent crime, empowering you to make better operational safety decisions, establish delivery protocols, and efficiently allocate security resources.*

## GET YOUR **COMPLIMENTARY VALIDATION ANALYSIS** NOW

You have seen the predictive power of CAP Scores and their correlation to police incident data. Contact CAP Index now for a complimentary analysis of your firm's loss data.

### DATA POINTS WE CAN ANALYZE:

- Location Characteristics
- Sales / Transaction Data
- Shrink / Loss Data
- Incident Data
- Claims Data
- Staffing and Security Measures



→ Do your loss measures correlate with CAP Risk Categories?

→ Are your security measures allocated optimally?



# CONTACT CAP INDEX



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**Please Note:** Delayed reporting and changes in recording practices may impact reported crime trends. The availability of crime types and location information varied by city. The analysis was based on the coordinates and/or address information provided by each police department and relied upon the data made available at the time of collection; therefore, there is no guarantee that it includes a full representation of all crimes occurring within the selected cities or time periods.

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