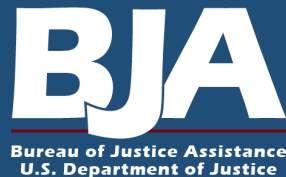


Crime Analysis for Executives



Annie Mitchell

- Los Angeles County, California, Sheriff's Department (LASD) (Retired)
- Supervising Crime Analyst
- Crime Analysis Training Coordinator
- IACA Vice President
- Crime Analysis Community of Practice



LASD Crime Analysis Program

- 2007 = 27 crime analysts
- 2020 = 80+ crime analysts
- Additional budgeted items requested from sworn personnel
- Crime analysts played an active role in department's goal

Questions?

- Starting a crime analysis unit
- Existing crime analysis unit
- What exactly does excellent analysis look like?
- Under-performance issues

Presentation Deliverables

- Establish a foundation
- Plan for crime analysis
- Prepare and improve your data
- Promote excellent analysis
- Raw data to actionable products
- Training for crime analysts





What Works?

What Does Not and What Will



Establish a Foundation

Plan for Crime Analysis

Staffing

- One analyst for every 1,500 UCR Part 1 crimes
- One analyst for every 2,800 NIBRS Group A
- One analyst for every 30,000 calls for service
- One analyst for every 70 sworn officers
- Source: International Association of Crime Analysts

Hiring Process

- BS/BA degree in “related” field
- Product portfolio
- Involve other analysts
- Administer practical demonstration
- Certification—IACA Certified Law Enforcement Analyst
- Does the candidate “get it”?

Mountains of Data

Our Crime-Fighting Weapon



Inventory of Data Resources

- Reports, CAD, field interviews, traffic, bookings, supplementals
- Jail release, parole, probation, sex registrants, gang data, narcotics registrants
- Outside agency bulletins, teletypes
- Social media
- Facial recognition
- License plate readers
- Technology keeps expanding . . .



Your Data
Prepare and Improve

Recommendations

- Analysts should direct the collection and quality of agency's data
- Train personnel in better data collection
- Remove obstacles to raw data access
- Establish a direct connection to data sources
- Consequences of bad data



Results of Bad Data

- Under- or over-reporting
- Misidentification of crime patterns
- Erroneous forecasting and analysis
- Inability to search key intelligence
- Inability to automate processes
- Agency credibility due to unreliable data

```
..._mod = modifier_ob...
... mirror object to mirror...
... mirror_mod.mirror_object = ...
... operation = "MIRROR_X":
... mirror_mod.use_x = True
... mirror_mod.use_y = False
... mirror_mod.use_z = False
... operation = "MIRROR_Y":
... mirror_mod.use_x = False
... mirror_mod.use_y = True
... mirror_mod.use_z = False
... operation = "MIRROR_Z":
... mirror_mod.use_x = False
... mirror_mod.use_y = False
... mirror_mod.use_z = True
... action at the end -add...
... _ob.select= 1
... _ob.select=1
... text.scene.objects.active
... selected" + str(modifier_...
... mirror_ob.select = 0
... bpy.context.selected_object
... data.objects[one.name].select
... print("please select exactly
... OPERATOR CLASSES -----
... types:op...
... X mirror to the selected
... object.mirror_mirror_x"
... mirror X"
... context):
... context.active_object is not
```

Data Embarrassment

Orange County Register 2016

“Police might not know where their guns are. That was the case of one of the biggest police agencies in the country.

Los Angeles County Sheriff’s Department, following a PRA request by the Register, assembled a team of nearly two dozen employees to track through thousands of paper files on gun location and gun assignments. The research found that at least 103 LA County Sheriff’s Department guns, ranging from service handguns to shotguns, were lost or stolen over the past five years.

A spokesperson said the agency didn’t previously know how many guns were missing and hadn’t recently conducted a centralized count of its service handguns. The missing weapons are a tiny portion of the department’s 20,000 gun arsenal.”

Equip Your Analyst

A man in a white shirt is seated at a desk in a server room, working on a computer. He is looking at several monitors displaying data and charts. The room is filled with server racks in the background.

- Relatively high-end computer for GIS and extensive memory
- Two to three monitors
- Handheld radio
- Software: GIS, Microsoft Office, Adobe Pro, Link charting, cell phone analysis
- Free stuff!

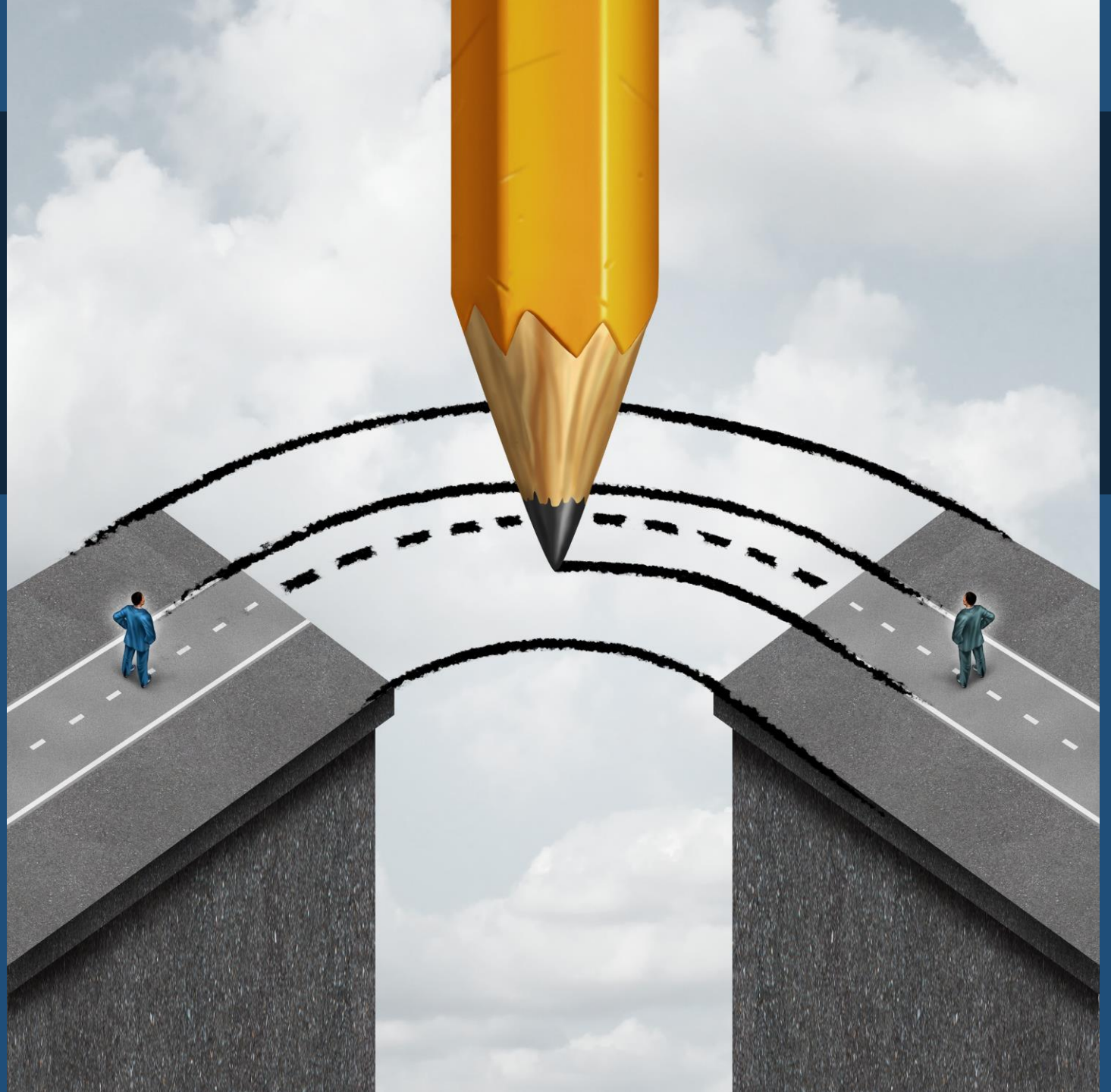


Paint a Picture

Raw Data Becomes Action

Help Analyst

Bridge the Divide



Helpful Assistance

- Make the analyst's role clear
- Support from chain of command—not just administrative analysis
- Inclusion in key discussions
- Encourage feedback
- Have analyst provide presentations





Plan for Success

Crime Analyst Role and Responsibilities



Place Analyst With Detectives

Establishes Trust and Validation



Accessible

... to Patrol

Train Your Agency

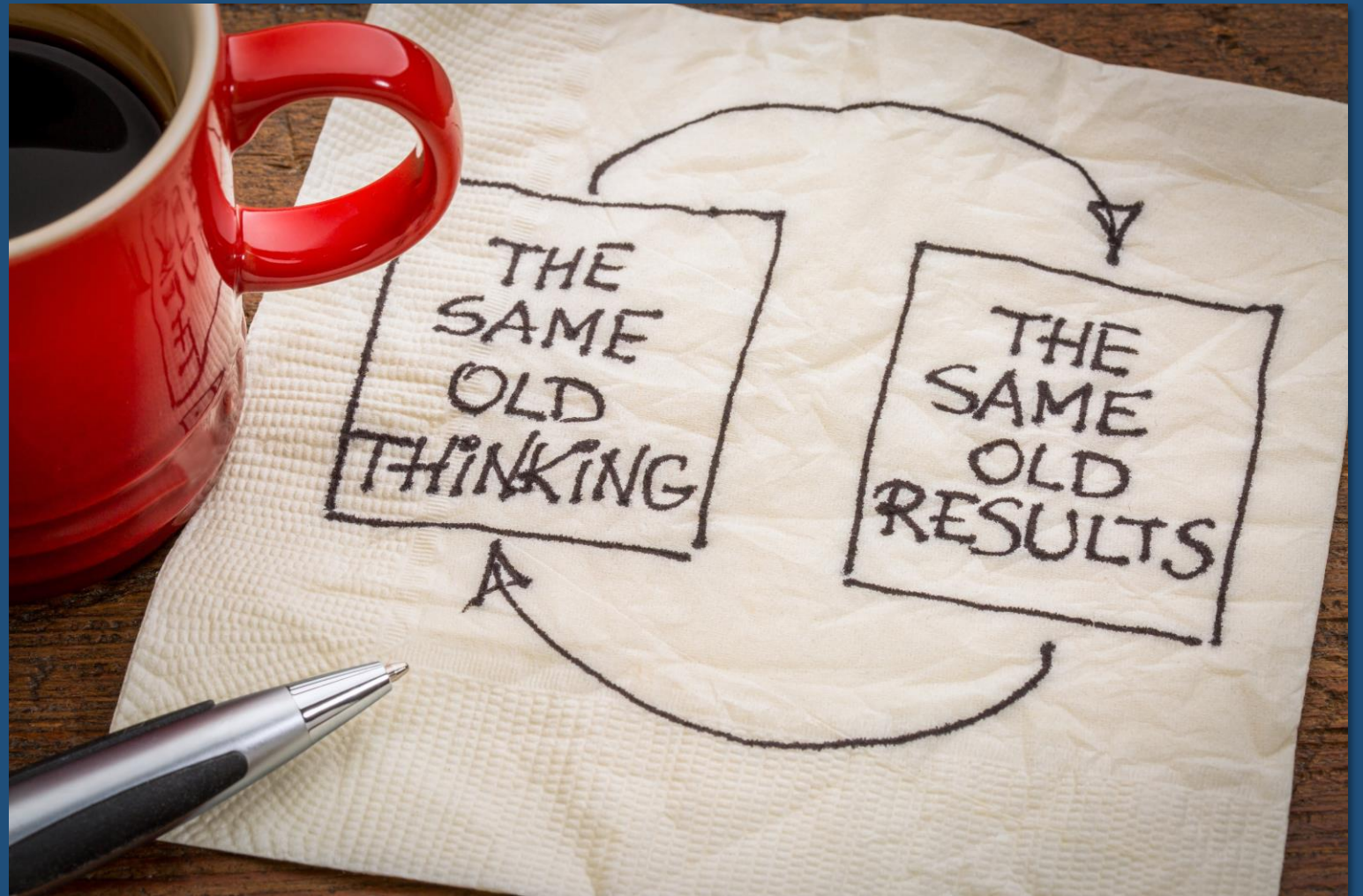
Analysis—What Is in It for Me?



Video_slide23.mp4

Get Out There!

Analysts need to interact with ALL facets of the agency





Sit With Dispatch

Understanding Process and Application

A police car is driving through a tunnel. The car is a dark-colored sedan with "POLICE" written in red on the side and "0451" on the door. It has a light bar on top with blue and red lights flashing. The tunnel has a curved ceiling with recessed lighting and traffic lights on the wall. The road is paved with white dashed lines. The overall scene is dimly lit, with the car's headlights and the tunnel lights providing the main illumination.

Do Ride-Alongs

Talk with patrol, observe how data is captured, better understand

Attend Roll Call



- Establish relationship
- Bring actionable products
- Inquire about officers' needs
- Work with supervisors to provide pattern, series, and offender data



Promote Excellent Analysis

Expectations, Priorities, and Issues

Information Funnel

Reports, Calls, Arrests, Field Contacts,
Outside Agency Bulletins, etc.



You Do Not Know



What You Do Not Know

Expectations



- Agency goals?
- Regular tactical products
- Offender-based products
- Investigative assistance
- Periodic strategic products
- Communication among administrative, patrol, and traffic personnel; crime scene technicians; Public Information Officer (PIO); investigative and community outreach personnel

Prioritize Analysis

- Violent crime
- Property crime
- Quality of life
- Patterns, series, trends
- Investigative
- Events



Types of Crime Analysis

Strategic

- Identifying crime patterns and trends
- Used in crime prevention strategies
- Directed patrol missions
- Educate public, neighborhood watch



Administrative

- Data collection
- Statistics
- Administrative reports



Tactical

- Assist investigations
- Identify crime series
- Identify offenders
- Tactical operations
- Network with other agencies



Focus

Problems

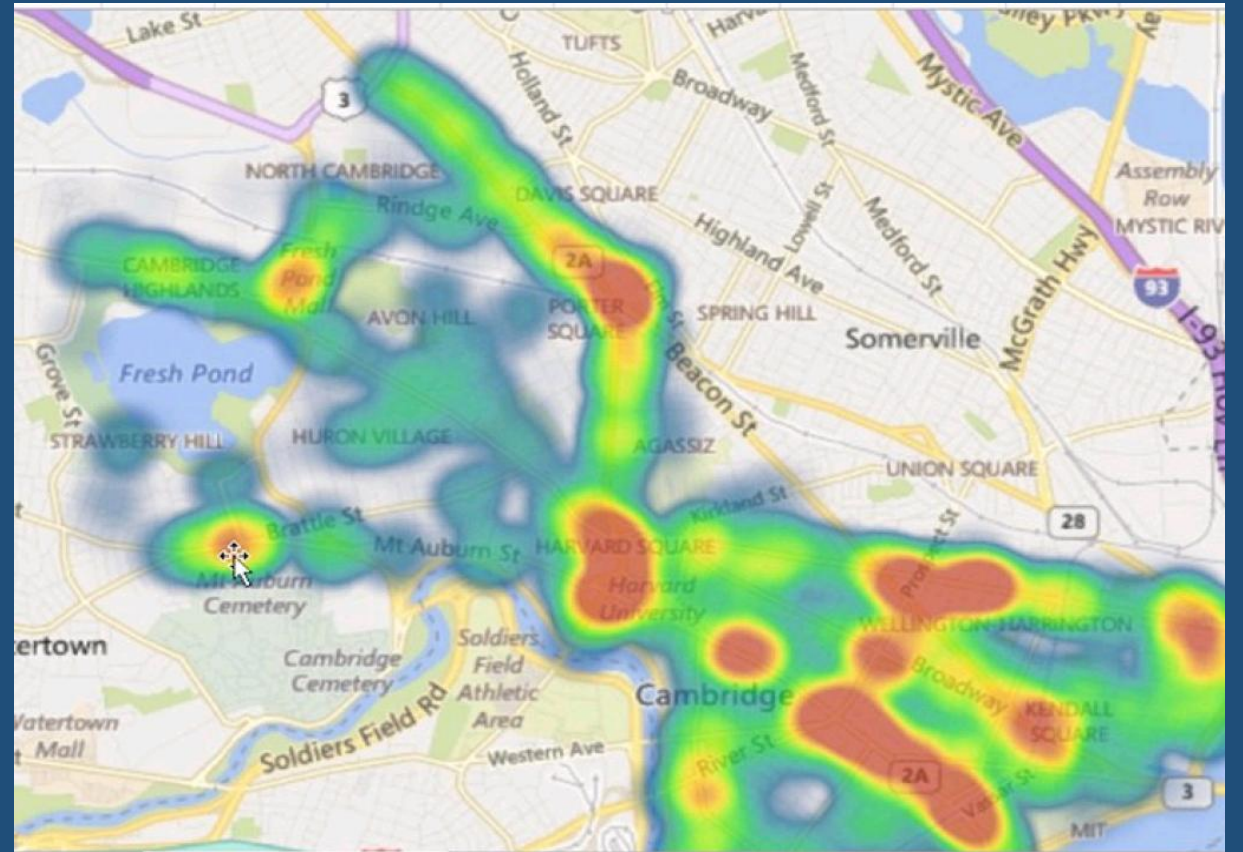
People

Places

Patterns



Pretty Map— Where Is the Analysis?



- Activity and environmental variables
- What, where, when, why, how, who
- Street-defined boundaries

Residential Burglaries—Possible Series

SUSPECTS: 1 F/X, 1-2 MX, NFD

SUSPECT VEHICLES: older sedans and SUVs with paper plates

On Wednesday, December 19, at 1055 hours, an unknown suspect kicked in the side garage ped door at 15 Hacienda. The homeowner interrupted the burglary and the suspects fled. Witnesses stated there were potentially two subjects in the fleeing vehicle (DR 18-17524).

This crime may be linked to several prior residential burglaries earlier this year.

Unique MO factors to be aware of (please note in reports):

- *Entry/attempted entry through door pry (especially garage side doors)*
- *Alarm systems disabled (they are possibly targeting houses with alarms)*
- *Primary losses included jewelry and cameras*
- *Typically one female and two male suspects in various vehicles (likely rentals)*
- *Suspects typically ring doorbells numerous times before entry*
- ***Common shoeprint: “zig-zag” pattern (pictured right)***



CAU Pattern Monthly Pattern Report For 2018

Pattern	Year Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alcohol Theft	39	2	4	8	4	3	4	6	5		2	1	
App Sale	21	1	2	1	1	1			2		3	3	7
Appliances	14				1				1		2	6	4
Baby Formula	10	6		1	2					1			
Bank Follow	12	2					1	1	1	3	2	1	1
Basketball Thefts	14		2			2		1					
BB Gun Shooting	13		2		1	1		2		1	1		5
Beauty Products	42	3	5	2	3	3		2	8	3			7
Cash Register 459C	33	1	5		2	1	3	7	4	4			
Catalytic Converter	15	8	6		1								
Construction Site	50		5	5	4	11	7	2	2	1	3	2	8
Copper Theft	30	4	3	5	3		3		5	4	2		1
Dinner Time Veh Burg	39	1		2	3	1	4	4	2	5	8	4	5
Fitness Center Vehicle Burgs	48	6	10	4	6	2	2	2	4	3		4	5
Garage Burglary	186	9	15	10	9	9	17	21	19	11	19	28	19
Hotel 459V	11	1					3	1	2		1	2	1
Landscaping Equip Veh Burg	10				2		2	1	1	2	1	1	
Locker Theft	73	8	9	4	4	2	7	14	7	3	8	1	6

Pattern name

Crime numbers



Crime Analyst Sabrina Potts
Date: 12/21/18

spotts@cityofshawnee.org

913-742-6815
Bulletin 19-014

Hispanic Market Robbery Series

In the last week, there have been 4 robberies at Hispanic markets along 75th Street in Overland Park and Shawnee. The suspect's clothing descriptions lead investigators to believe they are connected.

Date	Time	Address	Taken	Weapon	Suspects
12/15	1345-1350	7815 Marty St., OP	\$1,925	1 handgun	1
12/17	2000-2005	11226 W. 75th St., Shawnee	\$500	2 black handguns	3
12/19	1945-1950	7620 Metcalf, Ave., OP	\$2,000	1 black handgun	2
12/20	2017-2018	7941 Frontage Rd., OP	\$4,000	1 black handgun	2

Suspects Images



12/17 Shawnee Incident
 S1: W/M, 6'02", black hoodie and black joggers
 S2: W/M, 5'08", 17-18yoo, blue eyes, Adidas jacket, red/black Hilfiger beanie
 S3: B/M, black Adidas pants, red bandana on right leg

12/19 Overland Park Incident
 S1: W/M, 20's, red hoodie, Adidas pants, Champion beanie
 S2: W/M, 20's, gray hoodie
 Note: 1 suspect on 12/20 was wearing the same red hoodie as S1

Possible Suspect

Overland Park is looking at [REDACTED] (W/M [REDACTED] W. 78th St.) as a possible suspect. [REDACTED] was involved in a robbery on 12/12 of a pizza delivery driver near his home.

Note: [REDACTED] is not involved on 12/20 event due to being placed on house arrested on 12/20 about 1815hrs.



Taken on 09/04/17

Analyst Note

Suggestion of extra patrol at our Hispanic markets along 75th St. between 1930-2030hrs.

- El Palsano Products Mexicanos (10912 W. 74th Terr.)
- Mi Pueblito (7425 Quivira Rd.)
- Azteca Imports (11226 W. 75th St.)

Series



Chronic Offenders

Analysts Need Access

mation should be verified.



WARRANT NO.: REV4PR0576801

DOB: 07/26/88 M/H 5'8" 180 LBS

CII: A25085296 X NO.: X02068064

LAST KNOWN ADDRESS:

NOTES: ACTIVE RESTRAINING ORDER.

IMG DATE: 05/19/14

SOURCE: LASD



WARRANT NO.: REV3PR04

DOB: 11/20/54 F/H 5'1" 130

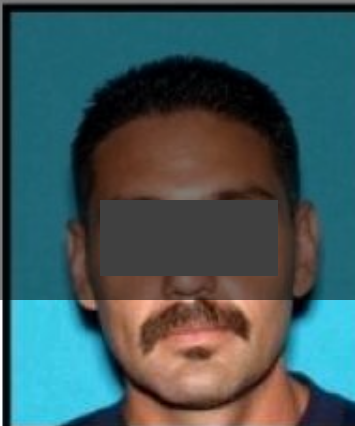
CII: A07589347 X NO.: X000

LAST KNOWN ADDRESS:

NOTES: POSSIBLY IN HESPERIA AREA

IMG DATE: 08/24/12

SOURCE: LASD



WARRANT NO.: REV4PR0463101

DOB: 06/17/77 M/H 5'11" 180 LBS

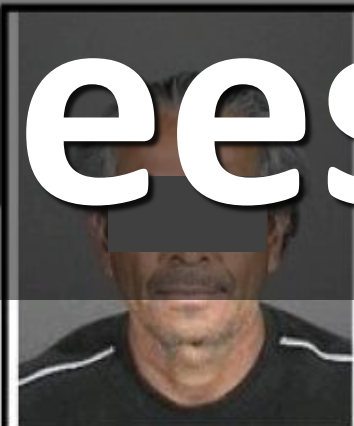
CII: A11836394 X NO.: X01646423

LAST KNOWN ADDRESS:

NOTES: POSSIBLE PUENTE GANG MEMBER.

IMG DATE: 06/09/14

SOURCE: CA DMV



WARRANT NO.: REV4PR06

DOB: 12/06/56 M/H 5'8" 170

CII: A07121721 X NO.: X000

LAST KNOWN ADDRESS:

NOTES: POSSIBLY IN HESPERIA AREA WITH SOMEONE NAME "SAL"

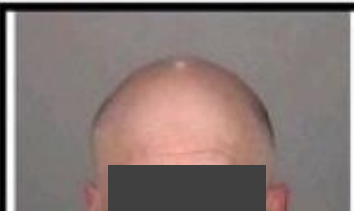
IMG DATE: 04/25/14

SOURCE: LASD



WARRANT NO.: REV3PR0945101

DOB: 09/19/84 F/H 5'6" 160 LBS




WARRANT NO.: REV4PR03

DOB: 03/05/72 M/W 6'1" 250

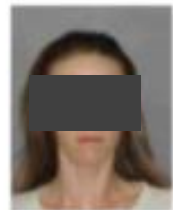



Repeat Offenders Past 90 Days




 3/10/1979
 MW, 37, 601, 185, BRO/BLU
 B5198375
 8 TONADA DR , IRVINE

<i>Involvement</i>	<i>Offense</i>	<i>Date of Contact</i>	<i>Location of Contact</i>
OF	CONTEMPT OF COURT:DISOBEY	9/4/2016	8 TONADA DR
OF	DISORDERLY CONDUCT:ALCOH	7/20/2016	3991 IRVINE BLVD
OF	DISORDERLY CONDUCT:ALCOH	7/19/2016	194 STREAMWOOD
OF	DISORDERLY CONDUCT:ALCOH	7/7/2016	4800 IRVINE BLVD
OF	DISORDERLY CONDUCT:ALCOH	7/5/2016	CULVER DR / FARWELL AVE
OF	DISORDERLY CONDUCT:ALCOH	6/30/2016	8 TONADA DR
OF	CONTEMPT OF COURT:DISOBEY	6/28/2016	8 TONADA DR
OF	DISORDERLY CONDUCT:ALCOH	6/27/2016	EASTWOOD / NORTHWOOD
OF	DISORDERLY CONDUCT:ALCOH	6/25/2016	3921 IRVINE BLVD
OF	DISORDERLY CONDUCT:INTOX	6/21/2016	3921 IRVINE BLVD
OF	DISORDERLY CONDUCT:ALCOH	6/20/2016	6320 IRVINE BLVD
OF	DISORDERLY CONDUCT:ALCOH	6/17/2016	3955 IRVINE BLVD
OF	TRESPASS:REFUSE TO LEAVE PR	6/16/2016	ALEGRIA / RETOZO




 9/2/1991
 FW, 24, 502, 109, BLN/GRN
 D9860490
 10 AUGUSTA , IRVINE

OF	POSSESS NARCOTIC CONTROLL	7/11/2016	6 CYPRESS TREE LN
OF	POSSESS NARCOTIC CONTROLL	6/17/2016	17801 SKY PARK BLVD
OF	POSSESS NARCOTIC CONTROLL	6/14/2016	4421 PINYON TREE LN
FI	Contact	7/19/2016	66 SEQUOIA TREE LN

SANTEE PATROL STATION – Possible Gang Associated Contacts & Arrests – 09/29/2014

INFORMATION



INFORMATION

contacted known to be associated to Santee River Bottom – was carrying a backpack he claimed he found at River Bottom found unused hypodermic needle.



Tattoo Right Shoulder – BLK "Bud Life Krew"

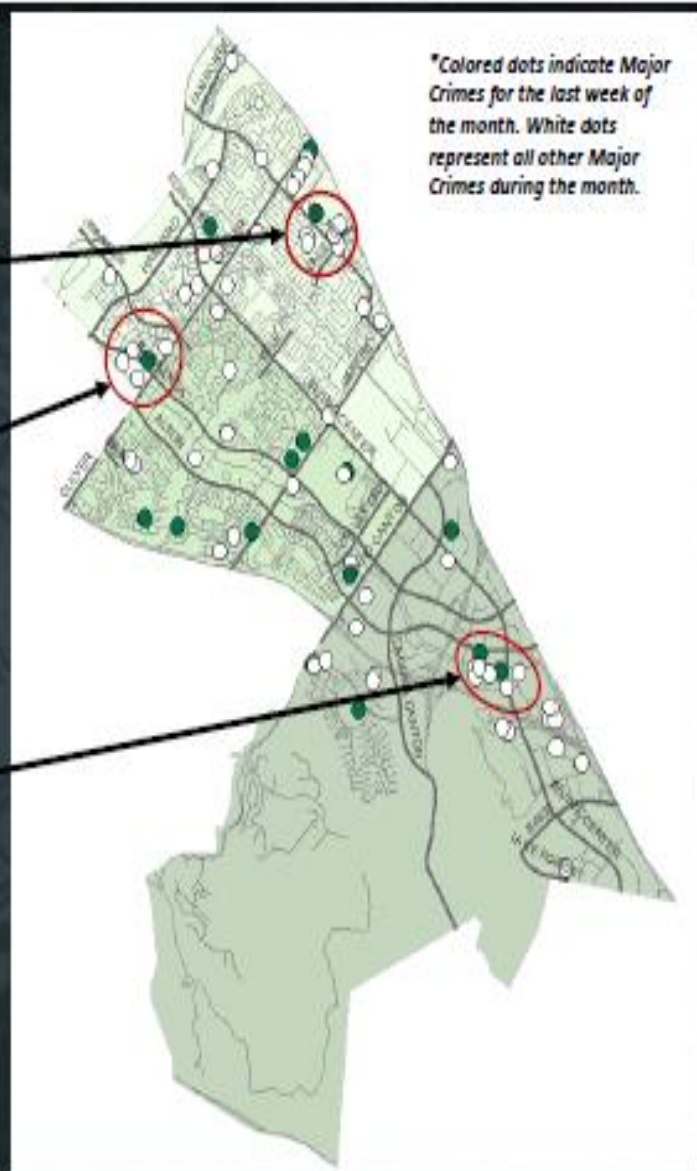
INFORMATION



Crossroads- Major Crimes

Areas of Focus:

- Irvine HS, Heritage Park, & Surrounding residential areas
 - Thefts from vehicles, res burg, bike theft, other grand theft
- Crossroads Shopping Center & surrounding area
 - Thefts from vehicles, shoplifting
- Spectrum Area
 - Apartments:
 - Vehicle burg, res burg, bike theft, 10851
 - Entertainment Center:
 - Shoplifting (esp. Macy's, Target)



What?

9.3%

So What?

1.3%

Now What?

0%

0%

MURKIN

PETTY THEFT
(under \$500)

RESIDENTIAL
BURGLARY

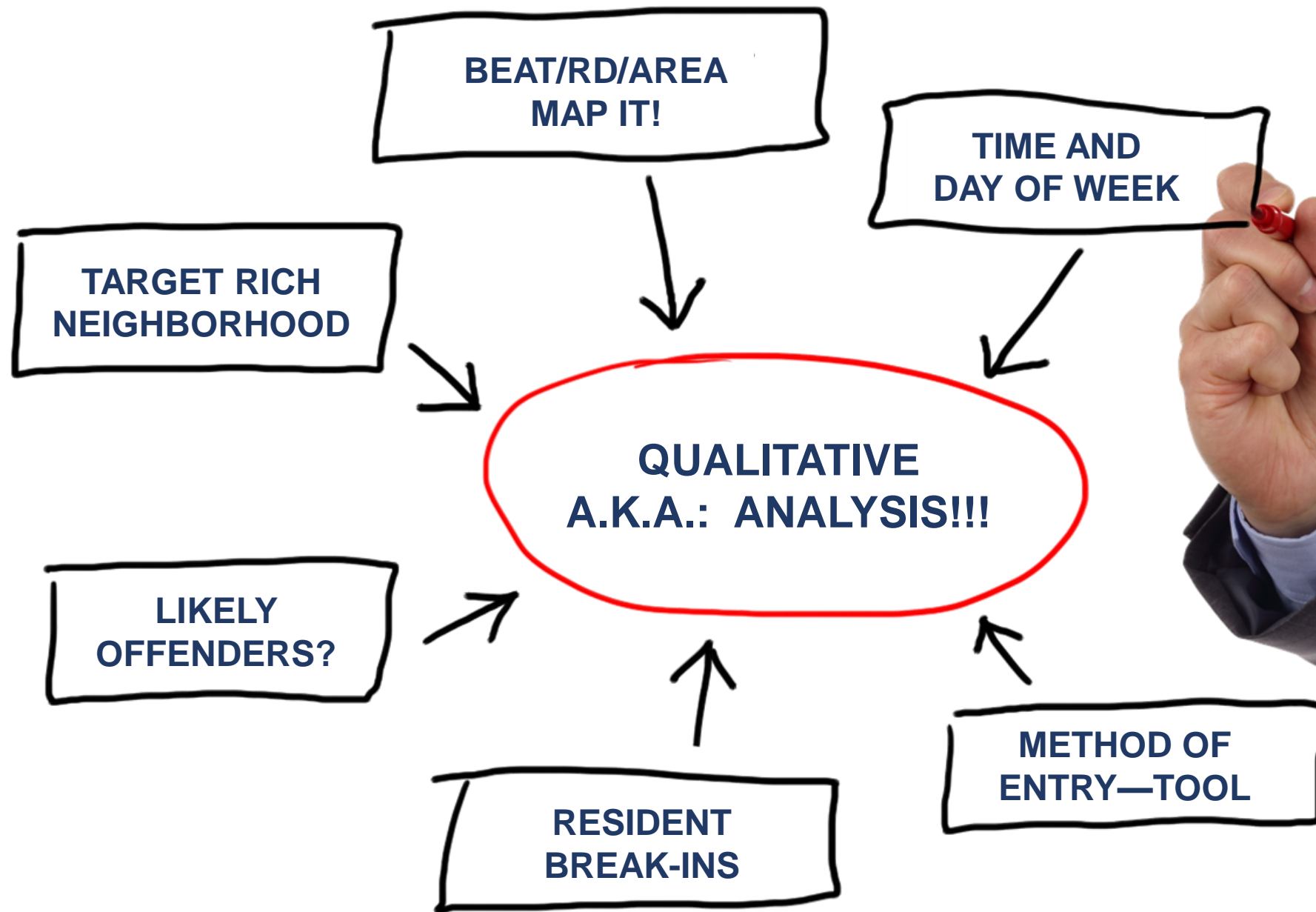
2013 Year

By the



Turn Data Into Action

Quantitative vs. Qualitative

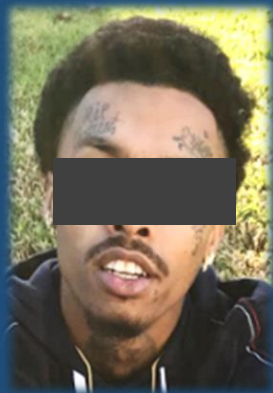


Data Sharing

Allow for In-Person Meetings



Fls of Interest By Officers Smith and Jones



Moniker: [REDACTED]
DOB: 03/05/97
MB, 21, 5'09", 144,
Bro/Grn
LKA: Moreno Valley
Coplink/LInX: PC 148,
459, forgery

On Wednesday, December 26, 2018, at 1430 hours, the listed subjects were contacted during a t-stop at Culver/Alton. The subjects are suspected members of the same gang. Provided 925 story about being in the area and wearing all blue clothing. They were also in possession of 30-40 print cartridges.

The area of the contact has experienced recent residential burglaries, and these subjects match recent suspect descriptions.



Moniker: [REDACTED]
DOB: 03/05/97
MB, 21, 6'03", 225,
Bro/Bro
LKA: Moreno Valley
Coplink/LInX: PC 488,
assault, DV



DOB: 08/13/97
FB, 21, 5'00", 127, Bro/Bro
LKA: Perris
No priors in Coplink or LInX
VEH: blu 2003 Mercedes
ML550 with blk "Midway Car
Rental" paper plates





SPECIAL BULLETIN



William D. Gore, Sheriff

LAW ENFORCEMENT ONLY

Michael Barnett, Undersheriff

Bulletin Issued: 01/02/2019

Identification Needed

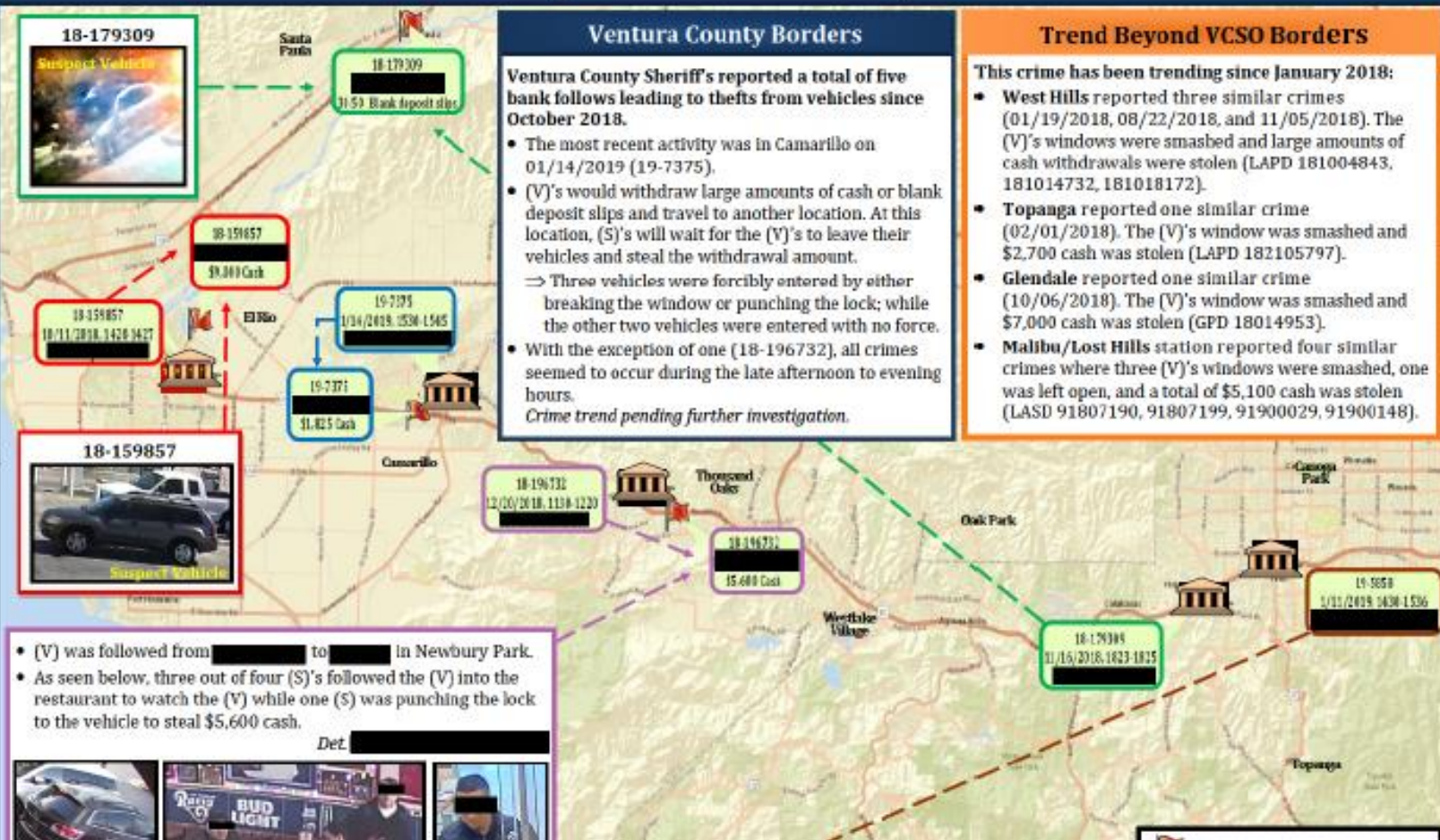




Ventura County Sheriff's Office Tactical Bulletin: *Regional*

January 17, 2019

Crime Trending Within Ventura County: Bank Follow



Analyst Training

- Ask analyst to define
- Must haves and would be nice to have
- Training conferences—ask for feedback or synopsis
- Technology and software
- Continually improve to keep up with demand

Crime Analysis: Considerations for Establishing or Enhancing Capacity

- This resource was developed to help PSP sites interested in implementing or enhancing a crime analyst unit
- This resource details topics related to building and enhancing a crime analyst unit, including organizational structure, data and technology, and sustainability, and provides a city “highlight” detailing recommendations from a recent crime analyst assessment
- Available for download on the PSP website and Public Safety Clearinghouse



Questions?

Contact Us



Joe McHale

Senior Manager, IIR

Phone: (850) 385-0600, Ext. 302

Mobile: (850) 404-4101

Email: jmchale@iir.com



Carolyn Binder

Senior Manager, IIR

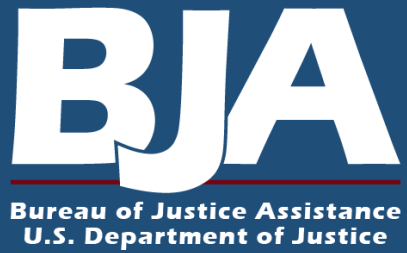
Phone: (850) 385-0600, Ext. 362

Mobile: (850) 210-8033

Email: cbinder@iir.com



Strategic Solutions • Focused Action • Reduced Violence



Thank You!