SMART POLICING
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BJA
Bureau of Justice Assistance
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Crime Analysis Tool Comparison

SPI National Meeting

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Project Background

- SPI calls for each site to include a high level of crime analysis
- Capabilities, assigned personnel, and available tools vary greatly across the sites
- Some sites have purchased crime analysis-related tools while others are still deciding what are the best tools to accomplish the goals
- Nothing currently exists to assist PDs in identifying the vast range of crime analysis tools available and comparing the wide variety of functionality, cost and usability

Project Plan

1. Identify all currently available tools.
2. Determine criteria that will be included in the comparison, i.e. cost, primary target users, learning curve, regional functionality, direct impact on SPI project, software platform, analytical features, types of products, etc.
3. Research each tool
    a) Seek input from existing users and crime analysis field
    b) Review websites
    c) Contact vendors
    d) Identify existing evaluations and reports about the tools
4. Create matrix and accompanying report

Progress Report – The Matrix

GIS SYSTEMS /Tools	ArcGIS	Crime Analyst Ext	CrimeMap	CrimeReports
Overall Features				
Software Platform				
Primary Target Users				
Cost				
Learning Curve				
Impact on SPI Project				
Regional Functionality				
Input Features				
Accuracy of geocoding				
Analysis Features				
Near repeat calculator				
Risk terrain modeling				
Kernel density estimation				
Nearest neighbor stats				
Output Features				
Predictive accuracy index				
Types of Products produced				
Usefulness				
Actionable				
VENDOR	Esri	Esri	GeoSpatial Technologies	Crime Reports
WEBSITE	www.esri.com	www.esri.com	http://www.geospatialtech.com/products/viewer/	https://www.crimereports.com/

Progress Report – The Tools

GIS Tools
ArcGIS
Crime Analyst Ext
CrimeMap
CrimeReports
CrimeStat
CrimeView
GeoBalance
GeoDa
GeoTime
GRASS
MapInfo
Maptitude
ProMap
Quantam GIS
Risk Terrain Modeling
SchoolCOP

Crime & Predictive Analytics
ATAC
Discover
Gotham
Hunch Lab
IMPACT
JMP
LEA
Near Repeat Calculator
PredPol
Tableau
VCAP

Intelligence & Network Analytics
Centrifuge
CIVER-MIND
CrimeLink
Cytoscape
Gephi
I2/Analyst's Notebook
Netminer
NodeXL
Pen-Link
RFFlow
Sentinel Visualizer
Synthesys
UCINET
uReveal
Xanalys

Completion Plan

- Create and administer survey
- Conduct research
- Provide draft to interested parties

- Notice I don't put any definitive dates… ☺

- Questions? Comments?
- Please contact me with any input…
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