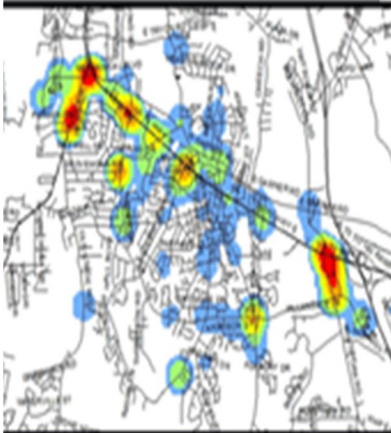


# BJA Building Analytical Capacity Crime Analysis Webinars



The International Association of Directors of Law Enforcement Standards and Training (IADLEST) provides a series of live interactive online workshops in which agency teams of executives, commanders, and analysts create customized action plans to address specific crime analysis challenges within their departments. The webinars assist top commanders and their teams in identifying how to support actionable analysis within their own departments and use that analysis to drive operations. The topic areas are consistent with the IADLEST Intensive 2-Day Workshops.

**Thursday, June 22, 2017 2:00 PM - 4:00 PM EST**

## Near Repeat Calculator

### Course Information:

In 1854, a cholera epidemic began killing people in the Soho district of London. It was interrupted by using a map created by Dr. John Snow who plotted the victim's addresses and their water sources. The map and spatial analysis connected seemingly random pieces of daily life and death to show buffer zone of death around a contaminated well. Removing the pump handle stopped the epidemic. In 2007, Dr. Jerry Radcliff and his team developed a free tool "The Near Repeat Calculator" using visual buffer zones around patterns of burglary. The tool follows the epidemiological model of infection, contagion, and risk in areas near the burglaries. For example, a burglar (a virus) begins exploiting a neighborhood. The virus selects targets and seeks additional vulnerable targets nearby. The Near Repeat Calculator produces a buffer of risk useful to intensify investigations and immunization (neighborhood watch and community policing). The program looks for unusual patterns in the spatio-temporal relationships between all points in the data set. We will use the Near Repeat Calculator on some active burglary cases and discuss best strategies for investigation and notification for the "inoculation" the neighborhood. We will cover the use of the Near Repeat Calculator and the following points will be reviewed:

Program parameters and the main dialog box  
Spatial bandwidth and spatial bands  
Temporal bandwidth and temporal bands  
Distance settings (Manhattan/Euclidean)  
Summary file details  
Near repeat originator and repeat counter

Data File  
Monte Carlo iterations  
Distance units  
Program output  
Verbose file details  
Other functions

### Instructor:

Captain Robert Hubbs, Knox County Sheriff's Office, Knoxville, TN.

### To Register:

<https://attendee.gotowebinar.com/register/8526246862537999361>

### Webinar ID:

365-064-075

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**Registration is limited  
and is on a first-come,  
first-served basis.**

**Register Today!**

*This training was created by the International Association of Directors of Law Enforcement Standards and Training (IADLEST) with support from a U.S. Department of Justice, Bureau of Justice Assistance Award 2013-DP-BX-K004 to increase analytical capacity through training to law enforcement personnel.*

*The opinions contained in the program are those of the creators and do not necessarily reflect an official position of the U.S. Department of Justice.*