The International Association of Directors of Law Enforcement Standards and Training, with support from the Texas Department of Transportation

Save a Life™
Texas Department of Transportation

Virtual Training Workshop
Crime and Crash Analysis with ArcGIS Pro- Level II

Course Description:
This class is designed for analysts who have a basic understanding of how to display points on a map using ArcGIS Pro and are now ready to conduct spatial analysis on crime, crashes, calls for service, and other police activity data.

Course objectives

- Given a mapped crime and/or crash dataset, utilize a variety of symbology options, such as graduated symbols, density clusters, kernel density, and others, that best display the critical spatial elements of the mapped points.
- Interpret the spatial elements to identify trends, patterns, volume and density, and changes over time. This will involve exporting data from ArcGIS Pro to Access or Excel, further enhancing the data, and mapping the data again to gain new insights.
- Apply various symbology techniques to display multiple spatial elements on one map without overcrowding or confusing the audience.
- Utilize various spatial analysis tools within ArcGIS Pro to evaluate changes in hot spot locations over time and identify the factors contributing to the change.
- Utilize various spatial analysis techniques to evaluate the impact of operations and offer analysis-based recommendations for how to adjust operational response.

Skill Development:

- -Integrate ArcGIS Pro, Microsoft Excel, and Microsoft Access
- -Visualize the results of threshold analysis
- -Evaluate the impact of strategic enforcement

Workshop Structure:

- Weekly Self-Study Assignments
- **Session 1: Thursday, July 17, 2025**

Live Training Sessions

- Session 2: Thursday, July 24, 2025   13:00–15:00 (CST)
- Session 3: Thursday, July 31, 2025   13:00–15:00 (CST)
- Session 4: Thursday, August 7, 2025   13:00–15:00 (CST)

NOTE: Virtual one on one tutorial sessions and assistance will be provided throughout the training.

Instructors:
Debra J. Piehl, IADLEST- Analytical Director and Subject Matter Expert
Christopher W. Bruce: Assistant Professor, Husson University and Analytical Subject Matter Expert

Registration and Contact Information:
To register for this training contact Daniel Howard, Texas - Project Manager at **danhoward@iadlest.org**
or for more information go to **Analytical Training/Resources**.