



Introduction to ArcGIS Pro for Crime Analysts

Course Length: 3 days

ArcGIS Version: Pro 2.X

App: ArcGIS Pro

Overview

This course introduces participants to the ArcGIS Pro software using the Crime Analysis toolbar, crime analysis examples, and exercises. The class begins with the basics of navigating a map and walks through the process of creating maps, optimizing the display of the data, and performing spatial analysis. At the completion of this course, those attending should have a strong foundation in the basic use of ArcGIS Pro and have an understanding of the strengths of performing spatial analysis using GIS.

Audience

Crime analysts who want to create maps and explore data in ArcGIS Pro.

Topics Covered

Day 1

- Introduction to GIS – An introduction to the concepts of spatial problem solving and an overview of the ArcGIS platform.
- Exploring an ArcGIS Pro Project – Getting familiar with the ArcGIS Pro interface.
- Changing the Look of Your Map – Setting symbology and display properties to make a better, more manageable, map, and also to begin analyzing the data.
- Queries – Selecting features on the map by running SQL queries on the data tables, as well as by looking at the spatial and temporal relationships of the features.

Day 2

- Finding and Understanding Data – Getting familiar with GIS data formats, bringing data into ArcGIS Pro, and connecting to a portal to use web services.
- Layouts – Designing map layouts to present and share your work as hardcopy or digital maps.
- Geoprocessing – Using a variety of the geoprocessing tools in ArcGIS to manipulate and manage your GIS data and to perform spatial analysis.
- Beginner Editing – Drawing new features and editing existing shapes and attributes.

Day 3

- Data Management – Importing data into Pro, geocoding addresses, and enhancing data for better use by analysis tools.

- Statistical Analysis – Using geoprocessing tools to showcase hotspots and highlight areas of change.
- Incident Analysis – Using geoprocessing tools to analyze incident paths and sequences.
- Charts – Creating charts from data and adding those charts to layouts.

Format

In person or remote instruction with hands-on practice and course materials you can keep.

Prerequisites and Recommendations

Attendees should have knowledge of Microsoft Windows®.