Data Mining and Predictive Analysis, Second Edition: Intelligence Gathering and Crime Analysis

By Colleen McCue Ph.D. Experimental Psychology
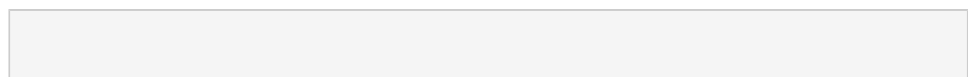
Data Mining and Predictive Analysis, Second Edition: Intelligence Gathering and Crime Analysis By Colleen McCue Ph.D. Experimental Psychology

Data Mining and Predictive Analysis: Intelligence Gathering and Crime Analysis, 2nd Edition, describes clearly and simply how crime clusters and other intelligence can be used to deploy security resources most effectively. Rather than being reactive, security agencies can anticipate and prevent crime through the appropriate application of data mining and the use of standard computer programs. *Data Mining and Predictive Analysis* offers a clear, practical starting point for professionals who need to use data mining in homeland security, security analysis, and operational law enforcement settings. This revised text highlights new and emerging technology, discusses the importance of analytic context for ensuring successful implementation of advanced analytics in the operational setting, and covers new analytic service delivery models that increase ease of use and access to high-end technology and analytic capabilities. The use of predictive analytics in intelligence and security analysis enables the development of meaningful, information based tactics, strategy, and policy decisions in the operational public safety and security environment.

- Discusses new and emerging technologies and techniques, including up-to-date information on predictive policing, a key capability in law enforcement and security
- Demonstrates the importance of analytic context beyond software
- Covers new models for effective delivery of advanced analytics to the operational environment, which have increased access to even the most powerful capabilities
- Includes terminology, concepts, practical application of these concepts, and examples to highlight specific techniques and approaches in crime and intelligence analysis

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Editorial Review

Review

"...presents a comprehensive overview of the field of predictive analysis as it is primarily applied to crime analysis, where it is an established law enforcement intelligence practice with great success…" --**Journal of Counterterrorism and Homeland Security International**

"[Data Mining and Predictive Analysis, First Edition] is a must-read..., blending analytical horsepower with real-life operational examples...Understandable yet detailed, [Data Mining and Predictive Analysis] puts forth a solid argument for integrating predictive analytics into action. Not just for analysts!" **--Tim King, Director, Special Programs and Global Business Development, ArmorGroup International Training**

About the Author
Dr. Colleen McCue is the Senior Director of Social Science and Quantitative Methods at DigitalGlobe. Her areas of expertise within , in the applied public safety and national security environment include the application of data mining and predictive analytics to the analysis of crime and intelligence data, with particular emphasis on deployment strategies; surveillance detection; threat and vulnerability assessment; geospatial predictive analytics; computational modeling and visualization of human behavior; Human, Social, Culture and Behavior (HSCB) modeling and analysis; crisis and conflict mapping; and the behavioral analysis of violent crime in support of anticipation and influence.

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