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   Titolo   Automating open source intelligence : algorithms for OSINT / / edited by Robert Layton, Paul A. Watters

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   Descrizione fisica   1 online resource (212 pages) : illustrations, charts

   Collana   Syngress advanced topics in information security

   Soggetti   Open source intelligence
                        Information technology - Social aspects
                        Business intelligence - Computer network resources
                        Intelligence service - Computer network resources
                        Data mining
                        Internet searching
                        Computational intelligence

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Description based upon print version of record.

   Nota di bibliografia   Includes bibliographical references and index.

   Nota di contenuto   Chapter 1 - The Automating of Open Source Intelligence; The Commercial Angle; Algorithms; References; Chapter 2 - Named Entity Resolution in Social Media; Introduction; Evaluating Semantic Processing Performance; Characterizing Semantic Processing Errors; Meaning Loss in Biblical Proverbs: A Case Study; Models for Improving Semantic Processing Performance; Discussion; References; Chapter 3 - Relative Cyberattack Attribution; Introduction; Basic Attack Structure; Anonymization on the Internet; Weaknesses in Anonymization Attribution as a ConceptAbsolute Attribution; Relative Attribution; Relative attribution concepts; Inherent versus Learnt Behaviors; Hiding Behavior; Consistency of Behavior; Relative Attribution Techniques; Authorship Analysis; Limitations and Issues; Research Streams; Conclusions; References; Chapter 4 - Enhancing Privacy to Defeat Open Source Intelligence; Introduction; Scenario; Requirements and Threats; Preliminaries; The PIEMCP; Formal Security Analysis with CPN; Attack Scenarios; Verification Results; Removing Trusted ARM; Performance

Sommario/riassunto	Algorithms for Automating Open Source Intelligence (OSINT) presents information on the gathering of information and extraction of actionable intelligence from openly available sources, including news broadcasts, public repositories, and more recently, social media. As OSINT has applications in crime fighting, state-based intelligence, and social research, this book provides recent advances in text mining, web crawling, and other algorithms that have led to advances in methods that can largely automate this process. The book is beneficial to both practitioners and academic researchers, with discussions of the latest advances in applications, a coherent set of methods and processes for automating OSINT, and interdisciplinary perspectives on the key problems identified within each discipline. Drawing upon years of practical experience and using numerous examples, editors Robert Layton, Paul Watters, and a distinguished list of contributors discuss Evidence Accumulation Strategies for OSINT, Named Entity Resolution in Social Media, Analyzing Social Media Campaigns for Group Size Estimation, Surveys and qualitative techniques in OSINT, and Geospatial reasoning of open data. Presents a coherent set of methods and processes for automating OSINTFocuses on algorithms and applications allowing the practitioner to get up and running quicklyIncludes fully developed case studies on the digital underground and predicting crime through OSINTDiscusses the ethical considerations when using publicly available online data