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Nota di contenuto	Front Cover; Information Security Analytics: Finding Security Insights, Patterns, and Anomalies in Big Data; Copyright; Dedication; Contents; Foreword; About the Authors; Acknowledgments; Chapter 1 - Analytics Defined; INTRODUCTION TO SECURITY ANALYTICS; CONCEPTS AND TECHNIQUES IN ANALYTICS; DATA FOR SECURITY ANALYTICS; ANALYTICS IN EVERYDAY LIFE; SECURITY ANALYTICS PROCESS; REFERENCES; Chapter 2 - Primer on Analytical Software and Tools; STATISTICAL PROGRAMMING; INTRODUCTION TO DATABASES AND BIG DATA TECHNIQUES; REFERENCES; Chapter 3 - Analytics and Incident Response; INTRODUCTION SCENARIOS AND CHALLENGES IN INTRUSIONS AND INCIDENT IDENTIFICATION ANALYSIS OF LOG FILES; LOADING THE DATA; ANOTHER POTENTIAL ANALYTICAL DATA SET: UNSTACKED STATUS CODES; OTHER APPLICABLE SECURITY AREAS AND SCENARIOS; SUMMARY; FURTHER READING; Chapter 4 - Simulations and Security Processes; SIMULATION; CASE STUDY; Chapter 5 - Access Analytics; INTRODUCTION; TECHNOLOGY PRIMER; SCENARIO, ANALYSIS, AND TECHNIQUES; CASE STUDY; ANALYZING THE RESULTS; Chapter 6 -

Security and Text Mining; SCENARIOS AND CHALLENGES IN SECURITY ANALYTICS WITH TEXT MINING
USE OF TEXT MINING TECHNIQUES TO ANALYZE AND FIND PATTERNS IN UNSTRUCTURED DATA
STEP BY STEP TEXT MINING EXAMPLE IN R; OTHER APPLICABLE SECURITY AREAS AND SCENARIOS; Chapter 7 - Security Intelligence and Next Steps; OVERVIEW; SECURITY INTELLIGENCE; SECURITY BREACHES; PRACTICAL APPLICATION; CONCLUDING REMARKS; Index

Sommario/riassunto

Information Security Analytics gives you insights into the practice of analytics and, more importantly, how you can utilize analytic techniques to identify trends and outliers that may not be possible to identify using traditional security analysis techniques. Information Security Analytics dispels the myth that analytics within the information security domain is limited to just security incident and event management systems and basic network analysis. Analytic techniques can help you mine data and identify patterns and relationships in any form of security data. Using the techniques covered
