



Cybersecurity Data Science

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Message from the Guest Editors

Applying data science methodologies and techniques to network security is becoming a popular trend. In the context of cybersecurity, data can take several and different forms, including security and system logs, network traffic, configuration information, source code, and binaries. Each data type comes with its own challenges and might suggest different methodologies to be applied to it. This Special Issue focuses on cybersecurity data science and aims to represent the most recent innovations in that field. The scope of this Special Issue includes but is not limited to the application of data science to the following fields:

- Malware behavior analytics and detection;
- Network intrusion detection;
- Open-source intelligence processing;
- Security orchestration, automation, and response;
- Automatic vulnerability identification;
- Malware author characterization and identification;
- Digital forensics and incident response;
- Autonomous vehicle technologies security;
- User and entity behavior analytics;
- Next-generation security operation centers;
- IoT security;
- Cloud security;
- Data protection.

