

1. Record Nr.	UNINA9910130584903321
Titolo	Spaces of neoliberalism [[electronic resource] ] : urban restructuring in North America and Western Europe / / edited by Neil Brenner and Nik Theodore
Pubbl/distr/stampa	Malden, Mass., : Blackwell, 2002
ISBN	1-4443-9747-8 1-4443-9749-4
Descrizione fisica	1 online resource (xi, 294 p.) : maps
Altri autori (Persone)	BrennerNeil TheodoreNikolas
Disciplina	338.94
Soggetti	Urban renewal - United States Urban renewal - Europe Neoliberalism
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This is the first volume to analyse systematically the role of neoliberalism in contemporary processes of urban restructuring. Includes contributions from leading scholars in the fields of critical urban studies, radical geography and state theory. Analyses the role of neoliberalism in contemporary processes of urban restructuring. Synthesises a variety of new theoretical approaches to key issues in contemporary urban studies. Incorporates new case study material of ongoing urban transformations in the USA, Canada, the UK and other Western European countries.

2. Record Nr.	UNINA9910865259403321
Autore	Li Shaofeng
Titolo	Backdoor Attacks against Learning-Based Algorithms // by Shaofeng Li, Haojin Zhu, Wen Wu, Xuemin (Sherman) Shen
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-57389-7
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (161 pages)
Collana	Wireless Networks, , 2366-1445
Altri autori (Persone)	ZhuHaojin WuWen ShenXuemin (Sherman)
Disciplina	004.6
Soggetti	Computer networks Wireless communication systems Mobile communication systems Machine learning Computer Communication Networks Wireless and Mobile Communication Machine Learning Xarxes d'ordinadors Sistemes de comunicació sense fil Aprenentatge automàtic Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Literature Review of Backdoor Attacks -- Invisible Backdoor Attacks in Image Classification Based Network Services -- Hidden Backdoor Attacks in NLP Based Network Services -- Backdoor Attacks and Defense in FL -- Summary and Future Directions.
Sommario/riassunto	This book introduces a new type of data poisoning attack, dubbed, backdoor attack. In backdoor attacks, an attacker can train the model with poisoned data to obtain a model that performs well on a normal input but behaves wrongly with crafted triggers. Backdoor attacks can occur in many scenarios where the training process is not entirely controlled, such as using third-party datasets, third-party platforms for

training, or directly calling models provided by third parties. Due to the enormous threat that backdoor attacks pose to model supply chain security, they have received widespread attention from academia and industry. This book focuses on exploiting backdoor attacks in the three types of DNN applications, which are image classification, natural language processing, and federated learning. Based on the observation that DNN models are vulnerable to small perturbations, this book demonstrates that steganography and regularization can be adopted to enhance the invisibility of backdoor triggers. Based on image similarity measurement, this book presents two metrics to quantitatively measure the invisibility of backdoor triggers. The invisible trigger design scheme introduced in this book achieves a balance between the invisibility and the effectiveness of backdoor attacks. In the natural language processing domain, it is difficult to design and insert a general backdoor in a manner imperceptible to humans. Any corruption to the textual data (e.g., misspelled words or randomly inserted trigger words/sentences) must retain context-awareness and readability to human inspectors. This book introduces two novel hidden backdoor attacks, targeting three major natural language processing tasks, including toxic comment detection, neural machine translation, and question answering, depending on whether the targeted NLP platform accepts raw Unicode characters. The emerged distributed training framework, i.e., federated learning, has advantages in preserving users' privacy. It has been widely used in electronic medical applications, however, it also faced threats derived from backdoor attacks. This book presents a novel backdoor detection framework in FL-based e-Health systems. We hope this book can provide insightful lights on understanding the backdoor attacks in different types of learning-based algorithms, including computer vision, natural language processing, and federated learning. The systematic principle in this book also offers valuable guidance on the defense of backdoor attacks against future learning-based algorithms.

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