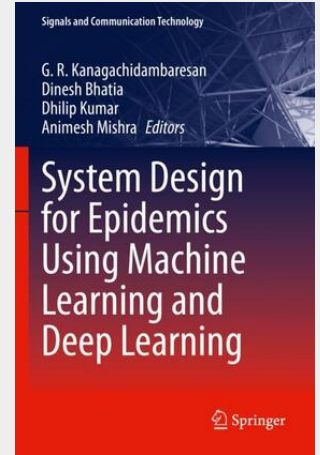Kanagachidambaresan / Mishra / Bhatia

System Design for Epidemics Using Machine Learning and Deep Learning

This book explores the benefits of deploying Machine Learning (ML) and Artificial Intelligence (AI) in the health care environment. The authors study different research directions that are working to serve challenges faced in building strong healthcare infrastructure with respect to the pandemic crisis. The authors take note of obstacles faced in the rush to develop and alter technologies during the Covid crisis. They study what can be learned from them and what can be leveraged efficiently. The authors aim to show how healthcare providers can use technology to exploit advances in machine learning and deep learning in their own applications. Topics include remote patient monitoring, data analysis of human behavioral patterns, and machine learning for decision making in real-time.

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192,59 €
179,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783031197543
Medium: Buch
ISBN: 978-3-031-19754-3
Verlag: Springer International Publishing
Erscheinungstermin: 02.02.2024
Sprache(n): Englisch
Auflage: 1. Auflage 2023
Serie: Signals and Communication Technology
Produktform: Kartoniert
Gewicht: 528 g
Seiten: 325
Format (B x H): 155 x 235 mm