

# Handbook of Research on Data Science for Effective Healthcare Practice and Administration

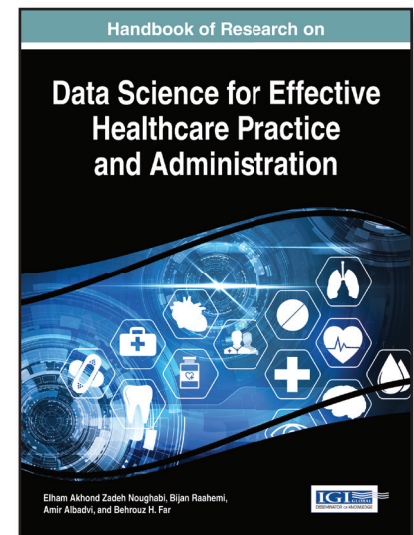
Part of the Advances in Healthcare Information Systems and Administration Book Series

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## Description:

Data science has always been an effective way of extracting knowledge and insights from information in various forms. One industry that can utilize the benefits from the advances in data science is the healthcare field.

The **Handbook of Research on Data Science for Effective Healthcare Practice and Administration** is a critical reference source that overviews the state of data analysis as it relates to current practices in the health sciences field. Covering innovative topics such as linear programming, simulation modeling, network theory, and predictive analytics, this publication is recommended for all healthcare professionals, graduate students, engineers, and researchers that are seeking to expand their knowledge of efficient techniques for information analysis in the healthcare professions.



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## Topics Covered:

- Data Engineering
- Discriminant Analysis
- Heuristics
- Linear Programming
- Machine Learning
- Multi-Objective Programming
- Network Theory
- Predictive Analytics
- Signal Processing
- Simulation Modeling

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