



Transforming HEALTHCARE through Big Data Intensive Technology: Transforming Healthcare with Big Data, Machine Learning and Internet of Things"

By Navneet Srivastava, Pratyush Singh

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Transforming HEALTHCARE through Big Data Intensive Technology: Transforming Healthcare with Big Data, Machine Learning and Internet of Things" By Navneet Srivastava, Pratyush Singh

Integrate cutting-edge data-driven technology to improve the quality, reach and effectiveness of preventive healthcare. Use statistical modeling to derive insights and make revolutionary changes in the healthcare industry so that the physical distance between patients and health specialists becomes immaterial.

Transforming Healthcare through Big Data Intensive Technology demonstrates how important it is to build collaboration between patients, clinics, businesses, government, and healthcare organizations, with a goal of safe, effective, predictive and efficient patient care.

Topics covered are:

- With the emergence of wearable technology, a person can capture early key indicators from their body without going to a diagnosis center
- Data generated by sensors can be gathered through a connected device either at a centralized location or in the cloud
- Further data will be enriched by non-wearable diagnosis tools available at established diagnostics centers
- A centralized analytics center will mine data using statistical modeling so that best healthcare recommendation can be communicated back to patients

Imagine that you could get optimal preventive health advice on a regular basis without seeking an appointment from your doctor and without disturbing your normal routine. This book describes multiple tangible and intangible benefits that can be enabled by this visionary solution for the healthcare industry.

The future of the healthcare industry requires a comprehensive solution (supported by data-intensive technologies) that makes preventive medication proactive. This allows patients and even healthy people to get recommendations without delay.

What You'll Learn

- How data-driven technology can improve healthcare quality and performance
- How historical information, which can be used to predict the nature and likelihood of future events or occurrences, can alter the course of predictive diagnostics
- How technology can help population health management
- How hospitals can leverage a technology-driven healthcare delivery business model
- How pattern recognition and machine learning can improve disease surveillance and detection of other health anomalies

Who This Book Is For

Decision makers in the healthcare industry; healthcare domain experts in the IT industry; technology experts in wearable and connected devices, cloud, big data, mobile/social, and visualization; and data scientists in healthcare, educational institutes, and government.

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Editorial Review

About the Author

Navneet is highly accomplished solution provider in Strategy & Analytics area with extensive experience in Architecture, Consultancy and Delivery Management. Navneet has expertise in various analytical solutions for large organizations having billions of online/offline transactions per day across multiple geographies

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