Exploratory Data Analytics for Healthcare Innovations in Big Data and Machine Learning

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Exploratory Data Analytics for Healthcare (Innovations in Big Data and Machine Learning)

★★★★★ 5 out of 5

Language	: English
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In the era of big data and machine learning, healthcare organizations are sitting on a goldmine of data that has the potential to revolutionize the way we diagnose, treat, and prevent disease. However, to unlock the full potential of this data, we need to be able to effectively explore and analyze it. This is where exploratory data analytics (EDA) comes in.

EDA is a process of exploring and visualizing data to identify patterns, trends, and anomalies. It is an essential step in the data analysis process,

as it helps us to understand the data we are working with and to identify potential areas for further investigation.

This book provides an to EDA and its applications in healthcare, with a focus on big data and machine learning. It covers topics such as:

- Data collection

- Data cleaning

- Data exploration

- Data visualization

- Predictive modeling

- Machine learning algorithms

This book is written for healthcare professionals, data scientists, and anyone else who is interested in using EDA to improve healthcare outcomes.

What's Inside?

This book is divided into three parts.

Part 1: to EDA

This part provides an overview of EDA, including its history, principles, and applications. It also covers the different types of data that can be analyzed using EDA, as well as the different tools and techniques that are available.

Part 2: EDA in Healthcare

This part focuses on the applications of EDA in healthcare. It covers topics such as:

- Using EDA to identify patterns and trends in healthcare data

- Using EDA to develop predictive models for healthcare outcomes

- Using EDA to evaluate the effectiveness of healthcare interventions

Part 3: EDA with Big Data and Machine Learning

This part covers the challenges and opportunities of using EDA with big data and machine learning. It also provides guidance on how to use EDA to develop and evaluate machine learning models for healthcare applications.

Benefits of Reading This Book

This book provides a number of benefits for readers, including:

- A comprehensive overview of EDA, including its history, principles, and applications

- A focus on the applications of EDA in healthcare

- Guidance on how to use EDA with big data and machine learning

- Real-world examples of EDA in healthcare

- Exercises and questions to help readers test their understanding

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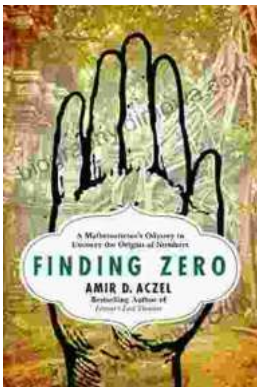
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