

**ARTIFICIAL INTELLIGENCE FOR
SEGMENTATION,
IDENTIFICATION,
AND
INTERACTION**

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AND
INTERACTION**

**EDITED BY
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PREFACE

This publication explores the evolving landscape of data analysis enhanced by artificial intelligence (AI). Innovative methodologies are crucial for deriving actionable insights with rising data volume and complexity. We aim to provide readers with a comprehensive understanding of how AI reshapes data analysis.

At the core of our work is a commitment to innovation. We discuss the latest advancements in AI techniques, showcasing their transformative potential across diverse datasets. From traditional machine learning to cutting-edge deep learning (DL), each chapter offers practical insights and real-world examples illustrating AI's effectiveness in uncovering hidden patterns.

The exploration goes beyond theory to practical applications, with case studies providing valuable insights into AI-driven data analysis in sectors such as finance and healthcare. This publication caters to a diverse audience, including seasoned data scientists and newcomers.

This publication provides a platform for knowledge exchange among researchers, practitioners, and enthusiasts in AI-driven data analysis. We aim to inspire readers to unlock AI's full potential in data analysis.

Zuriahati Mohd Yunos

Nor Erne Nazira Bazin

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