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   Sommario/riassunto   This book focuses on new perspectives and applications of data-driven
                        innovation technologies, applied artificial intelligence, applied machine
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                        transforming data into value. It includes theory and use cases to help
                        readers understand the basics of data-driven innovation and to

highlight the applicability of the technologies. It emphasizes how the data lifecycle is applied in current technologies in different business domains and industries, such as advanced materials, healthcare and medicine, resource optimization, control and automation, among others. This book is useful for anyone interested in data-driven innovation for smart technologies, as well as those curious in implementing cutting-edge technologies to solve impactful artificial intelligence, data science, and related information technology and communication problems.