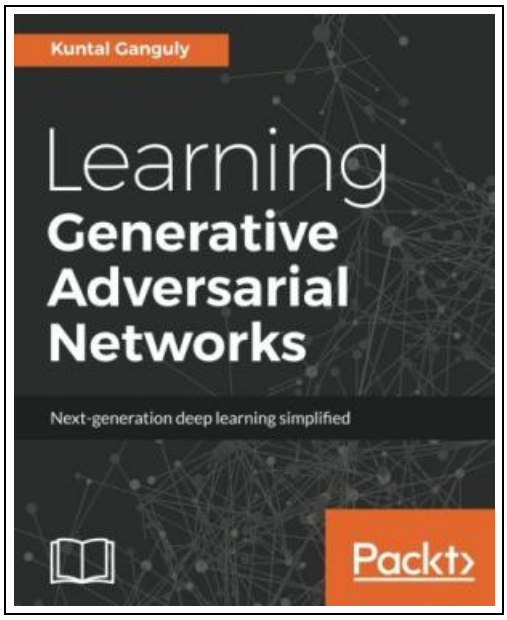
Learning Generative Adversarial Networks (Paperback)



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Reviews

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LEARNING GENERATIVE ADVERSARIAL NETWORKS (PAPERBACK)

Packt Publishing Limited, United Kingdom, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Build image generation and semi-supervised models using Generative Adversarial Networks About This Book * Understand the buzz surrounding Generative Adversarial Networks and how they work, in the simplest manner possible * Develop generative models for a variety of real-world use-cases and deploy them to production * Contains intuitive examples and real-world cases to put the theoretical concepts explained in this book to practical use Who This Book Is For Data scientists and machine learning practitioners who wish to understand the fundamentals of generative models will find this book useful. Those who wish to implement Generative Adversarial Networks and their variant architectures through real-world examples will also benefit from this book. No prior knowledge of generative models or GANs is expected. What You Will Learn * Understand the basics of deep learning and the difference between discriminative and generative models * Generate images and build semi-supervised models using Generative Adversarial Networks (GANs) with real-world datasets * Tune GAN models by addressing the challenges such as mode collapse, training instability using mini batch, feature matching, and the boundary equilibrium technique. * Use stacking with Deep Learning architectures to run and generate images from text. * Couple multiple Generative models to discover relationships across various domains * Explore the real-world steps to deploy deep models in production In Detail Generative models are gaining a lot of popularity among the data scientists, mainly because they facilitate the building of AI systems that consume raw data from a source and automatically builds an understanding of it. Unlike supervised learning methods, generative models do not require labeling of the data which makes it an interesting system to use. This book will help you to build and analyze...

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