ADDISON WESLEY DATA & ANALYTICS SERIES

FOUNDATIONS OF DEEP REINFORCEMENT LEARNING

Theory and Practice in Python

LAURA GRAESSER
WAH LOON KENG

Praise for *Foundations of Deep Reinforcement Learning*

"This book provides an accessible introduction to deep reinforcement learning covering the mathematical concepts behind popular algorithms as well as their practical implementation. I think the book will be a valuable resource for anyone looking to apply deep reinforcement learning in practice."
—*Volodymyr Mnih, lead developer of DQN*

"An excellent book to quickly develop expertise in the theory, language, and practical implementation of deep reinforcement learning algorithms. A limpid exposition which uses familiar notation; all the most recent techniques explained with concise, readable code, and not a page wasted in irrelevant detours: it is the perfect way to develop a solid foundation on the topic."
—*Vincent Vanhoucke, principal scientist, Google*

"As someone who spends their days trying to make deep reinforcement learning methods more useful for the general public, I can say that Laura and Keng's book is a welcome addition to the literature. It provides both a readable introduction to the fundamental concepts in reinforcement learning as well as intuitive explanations and code for many of the major algorithms in the field. I imagine this will become an invaluable resource for individuals interested in learning about deep reinforcement learning for years to come."
—*Arthur Juliani, senior machine learning engineer, Unity Technologies*

"Until now, the only way to get to grips with deep reinforcement learning was to slowly accumulate knowledge from dozens of different sources. Finally, we have a book bringing everything together in one place."
—*Matthew Rahtz, ML researcher, ETH Zürich*

Foundations of Deep Reinforcement Learning: Theory and Practice in Python

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