

Test-Driven Machine Learning (Paperback)

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Reviews

This ebook is worth acquiring. Better then never, though i am quite late in start reading this one. You will not truly feel monotony at at any time of your own time (that's what catalogues are for about if you ask me). (Lorenz Vandervort)

TEST-DRIVEN MACHINE LEARNING (PAPERBACK)



Packt Publishing Limited, United Kingdom, 2015. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Control your machine learning algorithms using test-driven development to achieve quantifiable milestones About This Book * Build smart extensions to pre-existing features at work that can help maximize their value * Quantify your models to drive real improvement * Take your knowledge of basic concepts, such as linear regression and Naive Bayes classification, to the next level and productionalize their models * Play what-if games with your models and techniques by following the test-driven exploration process Who This Book Is For This book is intended for data technologists (scientists, analysts, or developers) with previous machine learning experience who are also comfortable reading code in Python. You may be starting, or have already started, a machine learning project at work and are looking for a way to deliver results quickly to enable rapid iteration and improvement. Those looking for examples of how to isolate issues in models and improve them will find ideas in this book to move forward. What You Will Learn * Get started with an introduction to test-driven development and familiarize yourself with how to apply these concepts to machine learning * Build and test a neural network deterministically, and learn to look for niche cases that cause odd model behaviour * Learn to use the multi-armed bandit algorithm to make optimal choices in the face of an enormous amount of uncertainty * Generate complex and simple random data to create a wide variety of test cases that can be codified into tests * Develop models iteratively, even when using a third-party library * Quantify model quality to enable collaboration and rapid iteration * Adopt simpler approaches to common machine learning algorithms * Take behaviour-driven development principles to articulate...

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