

Reading list

Nikolai Averianov, Sasha Plakhin

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Main textbook for reading is Arbitrage Theory in Continuous Time by Tomas Björk

Simulations

1. Simulating Stochastic Differential Equations
2. An introduction to SDE simulation
3. An Algorithmic Introduction to Numerical Simulation of Stochastic Differential Equations
4. Introduction to the Numerical Simulation of Stochastic Differential Equations with Examples
5. Efficient simulation of Gamma and variance-Gamma processes

Levy processes

1. Levy Processes and Finance course
2. An introduction to Levy processes with applications in finance

Statistics

1. Copulas for Finance A Reading Guide and Some Applications

ML/DL applications

1. Improving the Robustness of Trading Strategy Backtesting with Boltzmann Machines and Generative Adversarial Networks
2. Deep Reinforcement Learning in Quantitative Algorithmic Trading: A Review

Misc

1. On becoming a quant
2. How I Became a Quant
3. The devil is in the tails: actuarial mathematics and the subprime mortgage crisis