INVESTMENT ANALYTICS IN THE DAWN OF ARTIFICIAL INTELLIGENCE

By
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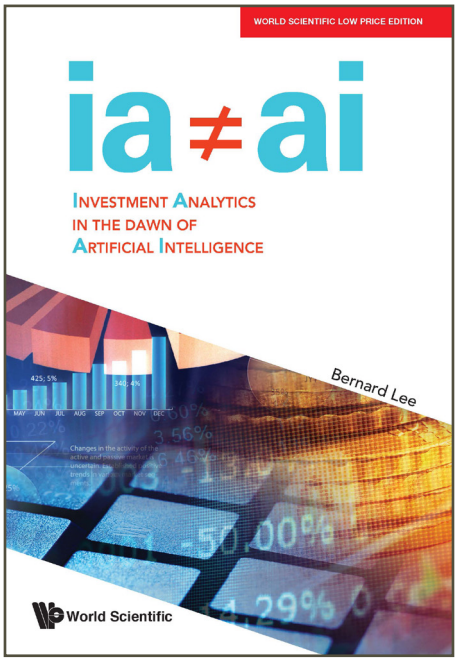

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ABOUT THE BOOK

A class of highly mathematical algorithms works with three-dimensional (3D) data known as graphs. Our research challenge focuses on applying these algorithms to solve more complex problems with financial data, which tend to be in higher dimensions (easily over 100), based on probability distributions, with time subscripts and jumps. The 3D research analogy is to train a navigation algorithm when the way-finding coordinates and obstacles such as buildings change dynamically and are expressed in higher dimensions with jumps.

Our short title "*ia≠ai*" symbolizes how investment analytics is not a simplistic reapplication of artificial intelligence (AI) techniques proven in engineering. This book presents best-of-class sophisticated techniques available today to solve high dimensional problems with properties that go deeper than what is required to solve customary problems in engineering today.

READERSHIP

Professionals looking for a step-by-step "cookbook" on algorithms to build and deploy their own investment analytics processes; C-level executives at leading investment firms to technologists doing hands-on deployments.

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