



# High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems

By Irene Aldridge

Download now

Read Online →

## High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems By Irene Aldridge

**A fully revised second edition of the best guide to high-frequency trading**

High-frequency trading is a difficult, but profitable, endeavor that can generate stable profits in various market conditions. But solid footing in both the theory and practice of this discipline are essential to success. Whether you're an institutional investor seeking a better understanding of high-frequency operations or an individual investor looking for a new way to trade, this book has what you need to make the most of your time in today's dynamic markets.

Building on the success of the original edition, the *Second Edition of High-Frequency Trading* incorporates the latest research and questions that have come to light since the publication of the first edition. It skillfully covers everything from new portfolio management techniques for high-frequency trading and the latest technological developments enabling HFT to updated risk management strategies and how to safeguard information and order flow in both dark and light markets.

- Includes numerous quantitative trading strategies and tools for building a high-frequency trading system
- Address the most essential aspects of high-frequency trading, from formulation of ideas to performance evaluation
- The book also includes a companion Website where selected sample trading strategies can be downloaded and tested
- Written by respected industry expert Irene Aldridge

While interest in high-frequency trading continues to grow, little has been published to help investors understand and implement this approach—until now. This book has everything you need to gain a firm grip on how high-frequency trading works and what it takes to apply it to your everyday trading endeavors.

↓ [Download High-Frequency Trading: A Practical Guide to Algor ...pdf](#)

 [Read Online High-Frequency Trading: A Practical Guide to Alg ...pdf](#)

# High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems

By Irene Aldridge

**High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems** By Irene Aldridge

## **A fully revised second edition of the best guide to high-frequency trading**

High-frequency trading is a difficult, but profitable, endeavor that can generate stable profits in various market conditions. But solid footing in both the theory and practice of this discipline are essential to success. Whether you're an institutional investor seeking a better understanding of high-frequency operations or an individual investor looking for a new way to trade, this book has what you need to make the most of your time in today's dynamic markets.

Building on the success of the original edition, the *Second Edition of High-Frequency Trading* incorporates the latest research and questions that have come to light since the publication of the first edition. It skillfully covers everything from new portfolio management techniques for high-frequency trading and the latest technological developments enabling HFT to updated risk management strategies and how to safeguard information and order flow in both dark and light markets.

- Includes numerous quantitative trading strategies and tools for building a high-frequency trading system
- Address the most essential aspects of high-frequency trading, from formulation of ideas to performance evaluation
- The book also includes a companion Website where selected sample trading strategies can be downloaded and tested
- Written by respected industry expert Irene Aldridge

While interest in high-frequency trading continues to grow, little has been published to help investors understand and implement this approach—until now. This book has everything you need to gain a firm grip on how high-frequency trading works and what it takes to apply it to your everyday trading endeavors.

## **High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems** By Irene Aldridge **Bibliography**

- Sales Rank: #688138 in Books
- Brand: Brand: Wiley
- Published on: 2013-04-22
- Original language: English
- Number of items: 1
- Dimensions: 10.30" h x 1.10" w x 7.30" l, 1.58 pounds
- Binding: Hardcover
- 320 pages

 [Download High-Frequency Trading: A Practical Guide to Algor ...pdf](#)

 [Read Online High-Frequency Trading: A Practical Guide to Alg ...pdf](#)

## Download and Read Free Online High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems By Irene Aldridge

---

### Editorial Review

#### Review

"The book. . . tells the fascinating story of how computers came to dominate modern financial markets. Irene Aldridge guides the reader through the intellectual ideas that have allowed this revolution to occur, from the economic, technological, and regulatory points of view."

- *SASHA STOIKOV, Senior Research Associate, ORIE, Cornell University*

"This book handles the topic in a comprehensive manner, making it accessible to a lay reader, yet providing enough detail for sophisticated industry practitioners and scientists."

- *CHARLES S. TAPIERO, Topfer Distinguished Professor of Financial Engineering and Technology Management; Chair, Department of Finance and Risk Engineering; Coeditor in Chief, Risk and Decision Analysis, New York University Polytechnic Institute*

PLEASE NOTE THAT AMAZON.COM APPEARS TO BLOCK SELECTED POSITIVE CUSTOMER REVIEWS FOR THIS BOOK! (Positive reviews enter "pending for 48 hours" status, and then never make it to the book's page)

From the Author

High-Frequency Trading Today

*By Irene Aldridge*

Nearly four years have passed since the first edition of my High-Frequency Trading book. Countless debates and numerous research articles later, we now have a much better understanding of both the pro- and con-sides of the HFT equation. In addition, top academics and practitioners developed ever more sophisticated models and analytical approaches to further harness high-frequency data and deliver precise, value-added forecasts and actionable data points, used to trade, mitigate risks and even successfully regulate the industry.

As time passes, HFT continues to evolve. HFT programs are smarter, better, and more advanced. The largest part of HFT today is devoted to market-making, a traditionally-human activity that is now being automated almost entirely, reducing transaction costs for all investors in the process. Market-making strategies are extensively covered in the 2nd edition of the book. Order execution models facilitating block trades are now dynamic, extending far beyond VWAP in complexity and skill. HFT risk management models and frameworks discussed in detail in the 2nd edition have come of age, too, driven by the desire of stable, consistently profitable operations.

The second edition of high-frequency trading incorporates important developments over the past four years. The book is completely rewritten based on my own trading and portfolio management experiences at ABLE Alpha Trading and our investment consulting clients, the classroom training sessions I've been leading with executives in the investments, brokerage, and trading business all over the world via HFTTraining.com, as well as my graduate students in the department of Finance and Risk Engineering in New York University, Polytechnic Institute, where I've been called upon to serve as an Industry Assistant Professor. The

opportunity to explain my research to someone else, both relative novices at NYU and 20-40 year industry veterans at HFTTraining.com, made me rethink the organization of the book to streamline the exposition and to just make it better overall. While the 1st edition of my book detailed many data-driven models, the 2nd edition takes the explanation of old and brand-new HFT models to the next level, often presenting sophisticated ready-to-use frameworks.

Perhaps the most important development over the past four years has been an unparalleled adoption of high-frequency data for analysis and use. It can be hard to believe, but just four years ago many trading desks at top institutions did not think of archiving tick data beyond the 21-day audit trail required then by the regulators. With the realization that historical tick data is a useful and cost-effective tool in development of automated trading strategies, many organizations have been building up the data and competencies in the area. The materials in the new, 2nd, edition of the book cover the requirements of entering the HFT space and other relevant considerations.

HFT is no longer just a convenient way to trade. It is a solid part of Big Data Finance, and is here to stay. I had a great pleasure writing the book with the forward-looking Big-Data outlook in mind, and I hope you will enjoy reading it.

#### From the Inside Flap

Since its inception in the early 1980s, high-frequency trading (HFT) has continued to evolve and grow. While some have tried to demonize it over the past few years, the fact is that HFT has delivered considerable operational improvements to the markets—most of which have resulted in lower volatility, higher market stability, better market transparency, and lower execution costs for traders and investors.

While "geeks" often claim HFT as their domain, *anyone* can integrate this proven approach into their trading endeavors. With minimal investment required, the barriers for entry into this field have never been lower, and the opportunity to generate significant profits has never been greater. Nobody understands this better than industry expert Irene Aldridge. And now, with the *Second Edition of High-Frequency Trading*, she returns to share her experience in this arena with you.

Building on the success of the first edition, this reliable resource incorporates the latest—yet applied and ready-to-implement—information on this essential trading approach. It also includes challenging end-of-chapter questions to test your command of the topics covered. Along the way, it:

- Describes the technological evolution that has enabled algorithmic and HFT, and lays the foundation of analysis via descriptions of modern market microstructure, high-frequency data, and trading costs
- Delves into the economics of HFT, exploring the methodologies for evaluating the performance and capacity of HFT strategies, and outlining the actual business of HFT
- Addresses the actual implementation of HFT by detailing the core models of today's HFT strategies, from statistical arbitrage and directional event-based trading to automated market making and liquidity detection
- Examines the real risks inherent in many HFT strategies and the ways to mitigate or minimize them
- Discusses modern legislation relevant to HFT, traditional and current approaches, and likely imminent directions

*High-Frequency Trading, Second Edition* is also accompanied by a website that supplements the material found in this book. It includes customizable teaching slides, basic C/C++ code for estimating regression coefficients, a sample of tick data, and much more.

In order to effectively trade in today's markets, you need to quickly adapt to the shifting market landscape.

*High-Frequency Trading, Second Edition* will put you in a better position to achieve this elusive goal and allow you to profit from it in the process.

## **Users Review**

### **From reader reviews:**

#### **Richard Reardon:**

The book *High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems* can give more knowledge and information about everything you want. Why must we leave the good thing like a book *High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems*? Some of you have a different opinion about publication. But one aim which book can give many information for us. It is absolutely proper. Right now, try to closer using your book. Knowledge or details that you take for that, it is possible to give for each other; you may share all of these. Book *High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems* has simple shape however you know: it has great and big function for you. You can appearance the enormous world by start and read a reserve. So it is very wonderful.

#### **Michael Hamrick:**

As people who live in the modest era should be change about what going on or information even knowledge to make all of them keep up with the era which can be always change and progress. Some of you maybe will probably update themselves by reading books. It is a good choice in your case but the problems coming to anyone is you don't know which one you should start with. This *High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems* is our recommendation to help you keep up with the world. Why, since this book serves what you want and want in this era.

#### **Damon Smith:**

Reading a guide tends to be new life style in this particular era globalization. With reading you can get a lot of information that will give you benefit in your life. Using book everyone in this world could share their idea. Publications can also inspire a lot of people. A great deal of author can inspire their own reader with their story or perhaps their experience. Not only situation that share in the books. But also they write about advantage about something that you need instance. How to get the good score toefl, or how to teach your young ones, there are many kinds of book which exist now. The authors on earth always try to improve their ability in writing, they also doing some study before they write to their book. One of them is this *High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems*.

#### **Curtis Swasey:**

Reading a reserve make you to get more knowledge from the jawhorse. You can take knowledge and information from your book. Book is published or printed or outlined from each source which filled update of news. In this modern era like right now, many ways to get information are available for you actually. From media social like newspaper, magazines, science reserve, encyclopedia, reference book, fresh and

comic. You can add your knowledge by that book. Do you want to spend your spare time to open your book? Or just looking for the High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems when you essential it?

**Download and Read Online High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems By Irene Aldridge #5RLO3VTA0ZG**



# **Read High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems By Irene Aldridge for online ebook**

High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems By Irene Aldridge Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems By Irene Aldridge books to read online.

## **Online High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems By Irene Aldridge ebook PDF download**

**High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems By Irene Aldridge Doc**

**High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems By Irene Aldridge Mobipocket**

**High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems By Irene Aldridge EPub**

**5RLO3VTA0ZG: High-Frequency Trading: A Practical Guide to Algorithmic Strategies and Trading Systems By Irene Aldridge**