DESCRIPTION

A guide to modeling analyses for financial and sports gambling markets, with a focus on major current events

Addressing the highly competitive and risky environments of current-day financial and sports gambling markets, Forecasting in Financial and Sports Gambling Markets details the dynamic process of constructing effective forecasting rules based on both graphical patterns and adaptive drift modeling (ADM) of cointegrated time series. The book uniquely identifies periods of inefficiency that these markets oscillate through and develops profitable forecasting models that capitalize on irrational behavior exhibited during these periods.

Providing valuable insights based on the author's firsthand experience, this book utilizes simple, yet unique, candlestick charts to identify optimal time periods in financial markets and optimal games in sports gambling markets for which forecasting models are likely to provide profitable trading and wagering outcomes. Featuring detailed examples that utilize actual data, the book addresses various topics that promote financial and mathematical literacy, including:

- Higher order ARMA processes in financial markets
The effects of gambling shocks in sports gambling markets

- Cointegrated time series with model drift

- Modeling volatility

Throughout the book, interesting real-world applications are presented, and numerous graphical procedures illustrate favorable trading and betting opportunities, which are accompanied by mathematical developments in adaptive model forecasting and risk assessment. A related web site features updated reviews in sports and financial forecasting and various links on the topic.

Forecasting in Financial and Sports Gambling Markets is an excellent book for courses on financial economics and time series analysis at the upper-undergraduate and graduate levels. The book is also a valuable reference for researchers and practitioners working in the areas of retail markets, quant funds, hedge funds, and time series. Also, anyone with a general interest in learning about how to profit from the financial and sports gambling markets will find this book to be a valuable resource.

### ABOUT THE AUTHOR

William S. Mallios, PhD, is a consultant at Mallios and Associates, where he provides professional advisement to various financial, medical, and educational institutions. A Fulbright Senior Specialist, Dr. Mallios served as professor of decision sciences at California State University, Fresno, for more than twenty-five years and has provided consulting services for government organizations, including the Food and Drug Administration and Centers for Disease Control.

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