Contents

List of Tables vii
List of Figures x
Acknowledgments xi
About the Editors xii
Notes on Contributors xiii
Chapter Abstracts xix

Part I Forecasting Models

1 The Yield of Constant Maturity 10-Year US Treasury Notes: Stumbling Toward an Accurate Forecast
Rafael Weißbach, Wladyslaw Poniatowski, and Guido Zimmermann 3

2 Estimating the Arbitrage Pricing Theory Factor Sensitivities Using Quantile Regression
Zeno Adams, Roland Füss, Philipp Grüber, Ulrich Hommel, and Holger Wohlenberg 18

3 Financial Risk Forecasting with Non-Stationarity
Humphrey K. K. Tung and Michael C. S. Wong 28

4 International Portfolio Choice: A Spanning Approach
Ben Tims and Ronald Mahieu 51

5 Quantification of Risk and Return for Portfolio Optimization: A Comparison of Forecasting Models
Nikos S. Thomaidis, Efthimios I. Roumpis, and Vassilios N. Karavas 74

6 Hedging Effectiveness in the Index Futures Market
Laurence Copeland and Yanhui Zhu 97
Part II  Computational and Bayesian Methods

7 A Bayesian Framework for Explaining the Rate Spread on Corporate Bonds  117
Oussama Chakroun and Ramzi Ben-Abdallah

8 GARCH, Outliers, and Forecasting Volatility  136
Philip Hans Franses and Dick van Dijk

9 Is There a Relation between Discrete-Time GARCH and Continuous-Time Diffusion Models?  160
Turan G. Bali

10 The Recursions of Subset VECM/State-Space Models and Their Applications to Nonlinear Relationships of Nickel Price Formation in Conditions of Climate Change  176
Jack Penm and R. D. Terrell

Index  193