**August 5, 2018**

Table of Contents for The Handbook entitled, "Handbook of Financial Econometrics, Mathematics, Statistics, and Technology" to be published by World Scientific in 2019.

1. Introduction

2. Do Managers Use Earnings Forecasts to Fill a Demand They Perceive From Analysts? by Orie Barron (oeb1@psu.edu), Jian Cao, Xuguang Sheng, Maya Thevenot, and Baohua Xin

3. A potential benefit of increasing book–tax conformity: Evidence from the reduction in audit fees by Nantin Kuo and Cheng-Few Lee

 4. Gold in Portfolio: A Long-Term or Short-Term Diversifier? by Fu-Lai Lin (fllin@mail.dyu.edu.tw), Sheng Yung Yang, and Yu-Fen Chen

5. Econometric Approach To Financial Analysis, Planning, And Forecasting By Cheng-Few Lee

6. Forecast Performance of the Taiwan Weighted Stock Index by Deng-Yuan Yi, Cheng-Few Lee, and Hsiao-Yin Chen (hchen@mail.knu.edu.tw)

7. Statistical Distributions and Option Bound Determination by Cheng-Few Lee

8. Measuring the collective correlation of a large number of stocks by Wei-Fang Niu and Henry Horng-Shing Lu (henryhslu@g2.nctu.edu.tw)

9. Key Borrowers Detected by the Intensities of Their Interactions by Fuad Aleskerov (fa201204@gmail.com), Irina Andrievskaya, Alisa Nikitina, and Sergey Shvydun

10. Application of the Multivariate Average F Test to Examine Relative Performance of Asset Pricing Models with Individual Security Returns by Shafiqur Rahman (shafiqur.rahman@gmail.com) and Matthew J. Schneider (mjs624@drexel.edu**)**

11. Hedge Ratio and Time Series Analysis by Sheng-Syan Chen (sschenfn@nccu.edu.tw), Cheng-Few Lee (cflee@business.rutgers.edu), and Keshab Shresth (keshab.shrestha@monash.edu)

12. Applications of Intertemporal CAPM on International Corporate Finance and Mutual Fund Research by JR Chang (jrchang@mx.nthu.edu.tw), Cheng-Few Lee, and M W Huang

13. What Drives Variation in the International Diversification Benefits? A Cross-country Analysis" by Wan-Jiun Paul Chiou (w.chiou@northeastern.edu) and Kuntara Pukthuanthong (pukthuanthongk@missouri.edu)

14. A heteroskedastic Black-Litterman portfolio optimization model with views derived from a predictive regression by Wei-Hung Lin, Huei-Wen Teng (venteng@gmail.com), and Chi-Chun Yang

15. Pricing Fair Deposit Insurance: Structural Model Approach by Tzu Tai (tzutai30@gmail.com), Cheng-Few Lee, Tian-Shyr Dai (cameldai@mail.nctu.edu.tw), Keh Luh Wang, and Hong-Yi Chen

16. Application of Structural Equation Modeling in Behavioral Finance: A Study on the Disposition Effect by Chang Hsin-Hue (hhchang@mail.mcu.edu.tw)

17. External Financing Needs and Early Adoption of Accounting Standards: Evidence from the Banking Industry by Sophia I-Ling Wang (iwang@exchange.fullerton.edu)

18. Improving the Stock Market Prediction with Social Media via Broad Learning by Xi Zhang

(zhangx@bupt.edu.cn) and Philip S. Yu (psyu@uic.edu)

19. Sourcing Alpha In Global Equity Markets: Market Factor Decomposition And Market Characteristics by Dr. S.S. Mohanty (director@sfimar.org)

20. Support Vector Machines Based Methodology for Credit Risk Analysis by Jianping Li (ljp@casipm.ac.cn), Mingxi Liu, Cheng-Few Lee, and Dengsheng Wu

21. Data Mining Applications in Accounting and Finance Context by Wikil Kwak (wkwak@unomaha.edu), Yong Shi (yshi@unomaha.edu), and Cheng-Few Lee (cflee@business.rutgers.edu)

22. Tradeoff between reputation concerns and economic dependence for auditors- Threshold regression approach by Fang-Chi Lin (fclin06@gmail.com), Chin-Chen Chien (chien442001@yahoo.com.tw), Cheng-Few Lee, Hsuan-Chu Lin (hsuanchu@mail.ncku.edu.tw), and Yu-Cheng Lin (yucheng67@hotmail.com)

23. The ASEAN Economic Community: Analysis Based On Fractional Integration And Cointegration by Luis Alberiko Gil-Alana, University of Navarra (alana@unav.es)

Hector Carcel, Bank of Lithuania (hcarcel@lb.lt)

24. Alternative Methods for Determining Option Bounds: A Review and Comparison by Cheng-Few Lee, Zhaodong Zhong (zdzhong@business.rutgers.edu), Tzu Tai (zzzamy1982@gmail.com),and Hongwei Chuang (chuang.hongwei.e3@tohoku.ac.jp)

25. Financial Reforms and The Differential Impact of Foreign versus Domestic Banking Relationships on Firm Value by Hai-Chin Yu (haichinyu@hotmail.com), Cheng-Few Lee (cflee@business.rutgers.edu) and Ben Sopranzetti (sopranze@business.rutgers.edu)

26. Time-Series Analysis: Components, Models, and Forecasting by Cheng-Few Lee

27. Itô’s Calculus and the Derivation of the Black Option-Pricing Model -Scholes by Malliaris A.G. (tmallia@luc.edu) and George Chalamandaris (gchalamandar@aueb.gr)

28. Durbin-Wu-Hausman Specification Tests by Robert H. Patrick (rhpatrickjr@gmail.com)

29. Jump Spillover and Risk Effects on Excess Returns in the United States During the Great Recession by Jessica Schlossberg (jessicaschlossbe@gmail.com) and Norman R. Swanson (nswanson@econ.rutgers.edu)

JUMP SPILLOVER AND RISK EFFECTS
ON EXCESS RETURNS IN THE UNITED STATES DURING THE GREAT RECESSION". I

30. Earnings Forecasts and Revisions, Price Momentum, and Fundamental Data: Further Exploration of Financial Anomalies by John B. Guerard Jr. (JGuerard@McKinleyCapital.com) and Andrew Mark

31.RankingAnalysts by Network Structural Hole by Re-Jin Guo (rguo@uic.edu), Yingda Lu (yingdalu@uic.edu), and Lingling Xie (xiell16@fudan.edu.cn)

32. The Association Between Book-Tax Differences and CEO Compensation by Kin-Wai Lee (akwlee@ntu.edu.sg) and Gillian Hian-Heng Yeo

33. Stochastic Volatility Models: Faking a Smile by Dean Diavatopoulos and Oleg Sokolinskiy (oleg.sokolinskiy@business.rutgers.edu)

34. Entropic Two-Asset Option by Tumellano Sebehela (tumellano.sebehela@wits.ac.za)

35. The Joint Determinants of Capital Structure and Stock Rate of Return: A LISREL Model Approach by Hong-Yi Chen (fnhchen@nccu.edu.tw), Cheng-Few Lee (cflee@businees.rutgers.edu) and Tzu Tai (tzutai30@gmail.com)

36. Time-Frequency Wavelet Analysis of Stock Market Co-Movement Between and Within Geographic Trading Blocs by Bilel Kaffel (kaffelb@yahoo.fr) and Fathi Abid (fathi.abid@fsegs.rnu.tn)

37. Alternative errors-in-variables models and their applications in finance research by Hong-Yi Chen (fnhchen@nccu.edu.tw), Alice C. Lee, and Cheng-Few Lee

38. Simultaneously Capturing Multiple Dependence Features in Bank Risk Integration: A Mixture Copula Framework by Xiaoqian Zhu (zhuxq@casipm.ac.cn), Dengsheng Wu (wds@casipm.ac.cn), Jianping Li (chhan@mx.nthu.edu.tw)

39. GPU Acceleration for Computational Finance by Chuan-Hsiang Han (chhan@mx.nthu.edu.tw)

40. Does VIX Truly Measure Return Volatility? by K. Victor Chow (Victor.Chow@mail.wvu.edu), Wanjun Jiang, and Jingrui Li

41. An ODE approach for the expected discounted penalty at ruin in a jump-diffusion model by Yu-Ting Chen (ychen134@utk.edu), Cheng-Few Lee, and Yuan-Chung Sheu (sheu@math.nctu.edu.tw)

42. How Does Investor Sentiment Affect Implied Risk-Neutral Distributions of Call and Put Options? by Wen-Ming Szu (szu@nkfust.edu.tw), Yi-Chen Wang (yjwang@nkfust.edu.tw), and Wan-Ru Yang (wryang@nuk.edu.tw)

43. Intelligent Portfolio Theory and Strength Investing in the Confluence of Business & Market Cycles and Sector & Location Rotations by Heping Pan (178372311@qq.com, panhp@ctbu.edu.cn, panhp@swingtum.com)

44. Evolution Strategy Based Adaptive Lq Penalty Support Vector Machines with Gauss Kernel for Credit Risk Analysis by Jianping Li (ljp@casipm.ac.cn), Gang Li (ligang@casipm.ac.cn), Dongxia Sun (sdxnyb@163.com), and Cheng-Few Lee

45. Product Market Competition And CEO Pay Benchmarking by Ivan E. Brick (ibrick@business.rutgers.edu) and Darius Palia (dpalia@business.rutgers.edu)

46. Equilibrium Rate Analysis of Cash Conversion Systems: The Case of Corporate Subsidiaries by Weiwei Chen (wchen@business.rutgers.edu), Benjamin Melamed (melamed@business.rutgers.edu), Oleg Sokolinskiy (oleg.sokolinskiy@business.rutgers.edu), and Ben Sopranzetti (sopranze@business.rutgers.edu)

47. Is the market portfolio mean-variance efficient? by Robert R. Grauer (grauer@sfu.ca)

48. Consumption-Based Asset Pricing with Prospect Theory and Habit Formation by Jr-Yan Wang (jryanwang@ntu.edu.tw) and Mao-Wei Hung (mwhung@ntu.edu.tw)

49. An Integrated Model for the Cost-Minimizing Funding of Corporate Activities over Time by Prof. Manak C. Gupta (mcgupta@temple.edu)

50. Empirical Studies of Structural Credit Risk Models and the Application in Default Prediction: Review and New Evidence by Han-Hsing Lee (hhlee@mail.nctu.edu.tw), Ren-Raw Chen (ren\_raw\_chen@yahoo.com), and Cheng-Few Lee

51. Empirical Performance of the Constant Elasticity Variance Option Pricing Model by Ren Raw Chen (ren\_raw\_chen@yahoo.com), Cheng-Few Lee (lee@rbsmail.rutgers.edu), and Han-Hsing Lee (hhlee@mail.nctu.edu.tw)

52. The Jump Behavior of Foreign Exchange Market: Analysis of Thai Baht by Jow-Ran Chang (jrchang@mx.nthu.edu.tw), Mao-Wei Hung (hung@management.ntu.edu.tw),Cheng-Few Lee (lee@rbsmail.rutgers.edu), and Hsin-Min Lu (hmlu@arizona.edu)

53. The Revision Of Systematic Risk On Earnings Announcement In The Presence Of Conditional Heteroscedasticity by Chin-Chen Chien (chien442001@yahoo.com.tw) and Cheng-Few Lee, She-Chih Chiu, National Taipei University (scchiu@mail.ntpu.edu.tw)

54. Applications of Fuzzy Set to International Transfer Pricing and Other Business Decisions by Wikil Kawk (wkwak@unomaha.edu) and Yong Shi, Seesok Lee and Cheng-few Lee

55. A time-series bootstrapping simulation method to distinguish sell-side analysts’ skill from luck by Chen Su (chen.su@newcastle.ac.uk) and Hanxiong Zhang

56. Acceptance Of New Technologies By Employees In Financial Industry by Veronika Belousova (vbelousova@hse.ru), Vasily Solodkov, Nikolay Chichkanov, and Ekaterina Nikiforova

57. Alternative Method for Determining Industrial Bond Ratings: Theory and Empirical Evidence by Lie-Jane Kao (L.Kao@hw.ac.uk) and Cheng-Few Lee

58. An Empirical Investigation of the Long Memory Effect on the Relation of Downside Risk and Stock Returns by Cathy Yi-Hsuan Chen (cathy.chen@hu-berlin.de) and Thomas C. Chiang

59. Analysis of Sequential Conversions of Convertible Bonds: A Recurrent Survival Approach by Lie-Jane Kao (L.Kao@hw.ac.uk), Li-Shya Chen, and Cheng-Few Lee

60. Determinants of euro-area bank CDS spreads by Maria-Eleni K. Agoraki, Dimitris A. Georgoutsos (dgeorg@aueb.gr), and George T. Moratis

61. Dynamic Term Structure Models Using Principal Components Analysis Near The Zero Lower Bound by Januj A. Juneja (jjuneja@sdsu.edu)

62. Effects Of Measurement Errors On Systematic Risk And Performance Measure Of A Portfolio by Cheng-Few Lee (cflee@business.rutgers.edu) and Frank C. Jen

63. Forecasting Net Charge-Off Rates of Banks: A PLS Approach by James R. Barth (barthjr@auburn.edu), Sunghoon Joo, Hyeongwoo Kim, Kang Bok Lee, Stevan Maglic, and Xuan Shen

64. Application of Filtering Methods in Asset Pricing by Hao Chang and Yangru Wu (yangruwu@business.rutgers.edu)

65. Sampling Distribution of the Relative Risk Aversion Estimator: Theory and Applications by Marvin J. Karson, David C. Cheng, And Cheng-Few Lee (cflee@business.rutgers.edu)

66. Social Media, Bank Relationships and Firm Value by Chia-Hui Chao (083016@mail.hwu.edu.tw) and Hai-Chin Yu (haichinyu@hotmail.com)

67. Splines, Heat, and IPOs: Advances in the Measurement of Aggregate IPO Issuance and Performance by Zachary A. Smith, PhD (zachary.smith@saintleo.edu and zacharyasmith@gmail.com), Mazin A. M. Al Janabi, PhD, and Muhammad Z. Mumtaz, PhD

68. The Effects Of The Sample Size, The Investment Horizon And Market Conditions On The Validity Of Composite Performance Measures: A Generalization by Son-Nan Chen and Cheng-Few Lee (cflee@business.rutgers.edu)

69. The Sampling Relationship Between Sharpe’s Performance Measure And Its Risk Proxy: Sample Size, Investment Horizon And Market Conditions by Son-Nan Chen and Cheng-Few Lee (cflee@business.rutgers.edu)

70. VG NGARCH Versus GARJI Model For Asset Price Dynamics by Lie-Jane Kao (L.Kao@hw.ac.uk) and Cheng-Few Lee

71. Why Do Smartphones And Tablets Users Adopt Mobile Banking by Veronika Belousova (vbelousova@hse.ru) and Nikolay Chichkanov

72. Non-parametric Inference on Risk Measures for Integrated Returns by Henghsiu Tsai, Hwai-Chung Ho (hcho@stat.sinica.edu.tw), and Hung-Yin Chen

73. Copulas And Tail Dependence In Finance by Wing-Choong Lai and Kim-Leng Goh (klgoh@um.edu.my)

74. Some Improved Estimators of Maximum Squared Sharpe Ratio by Siu Kai Choy (siu\_kai.choy@kcl.ac.uk) and Bu-qing Yang

75. Errors-in-Variables and Reverse Regression by Shafiqur Rahman (shafiqur.rahman@gmail.com) and Cheng-Few Lee

76. The role of financial advisors in M&As: Do domestic and foreign advisors differ? by Kai-Shi Chuang (kschuang@thu.edu.tw)

77. Discriminant Analysis, Factor Analysis, And Principal Component Analysis: Theory, Method, And Applications by Cheng-Few Lee (cflee@business.rutgers.edu)

78. Credit Analysis, Bond Rating Forecasting, And Default Probability Estimation by Cheng-Few Lee

79. Market Model, CAPM, And Beta Forecastingby Cheng-Few Lee (cflee@business.rutgers.edu)

80. Utility Theory, Capital Asset Allocation, and Markowitz Portfolio-Selection Model by Cheng-Few Lee (cflee@business.rutgers.edu)

81. Single-Index Model, Multiple-Index Model, and Portfolio Selection by Cheng-Few Lee (cflee@business.rutgers.edu)

82. Sharpe Performance Measure and Treynor Performance Measure Approach to Portfolio Analysis by Cheng-Few Lee (cflee@business.rutgers.edu)

83. Options and Option Strategies: Theory and Empirical Results by Cheng-Few Lee (cflee@business.rutgers.edu)

84. Decision Tree and Microsoft Excel Approach for Option Pricing Model by Cheng-Few Lee

85. Statistical Distributions, European Option, American Option, and Option Bounds by Cheng-Few Lee (cflee@business.rutgers.edu)

86. A Comparative Static Analysis Approach to Derive Greek Letters: Theory and Applications by Cheng-Few Lee (cflee@business.rutgers.edu)

87. Fundamental Analysis, Technical Analysis, and Mutual Fund Performance by Cheng-Few Lee (cflee@business.rutgers.edu)

88. Bond Portfolio Swap Strategy, Duration, and Convexity by Cheng-Few Lee (cflee@business.rutgers.edu)

89. Index Futures, Synthetic Options, and Portfolio Insurance by Cheng-Few Lee (cflee@business.rutgers.edu)

90. Alternative Security Valuation Model: Theory and Empirical Results by Cheng-Few Lee (cflee@business.rutgers.edu)

91. Opacity, Stale Pricing, Extreme Bounds Analysis, and Hedge Fund Performance: Making Sense of Reported Hedge Fund Returns by Zachary A. Smith (zachary.smith@saintleo.edu and zacharyasmith@gmail.com), Mazin A. M. Al Janabi, Muhammad Z. Mumtaz

92. Does Quantile Co-integration Exist between Spot and Futures Gold Prices? by Hai-Chin Yu (haichinyu@hotmail.com), Chia-Ju Lee, and Der-Tzon Hsieh

93. Bayesian Portfolio Mean-Variance Efficiency Test with Sharpe Ratio’s Sampling Error, by LieJane Kao (L.Kao@hw.ac.uk), Huei Ching Soo and Cheng-Few Lee

94. Does Revenue Momentum Drive or Ride Earnings or Price Momentum? by Hong-Yi Chen (fnhchen@nccu.edu.tw), Sheng-Syan Chen, Chin-Wen Hsin and Cheng-Few Lee (cflee@business.rutgers.edu)

95. Technical, Fundamental, and Combined Information for Separating Winners from Losers, by Hong-Yi Chen (fnhchen@nccu.edu.tw), Cheng-Few Lee, and Wei K. Shih.

96. Optimal Payout Ratio under Uncertainty and the Flexibility Hypothesis: Theory and Empirical Evidence by Cheng-Few Lee, Manak C. Gupta, Hong-Yi Chen (fnhchen@nccu.edu.tw), and Alice C. Lee.

97. Sustainable Growth Rate, Optimal Growth Rate, and Optimal Payout Ratio: A Joint Optimization Approach by Hong-Yi Chen (fnhchen@nccu.edu.tw), Manak C. Gupta, Alice C. Lee and Cheng-Few Lee

98. Cross-sectionally correlated measurement errors in two-pass regression tests of asset-pricing models by Thomas Gramespacher (grat@zhaw.ch), Armin Bänziger (banz@zhaw.ch), and Norbert Hilber (hino@zhaw.ch)

99. “Asset Pricing with Disequilibrium Price Adjustment: Theory and Empirical Evidence,” (with Chiung-Min Tsai (cmtsai@mail.cbc.gov.tw) and Alice C. Lee), Quantitative Finance, Volume 13, Number 2, Pages 227-240, 2013.

100. “A Dynamic CAPM with Supply Effect Theory and Empirical Results,” (with Chiung-Min Tsai (cmtsai@mail.cbc.gov.tw) and Alice C. Lee), Quarterly Review of Economic and Finance, Volume 49, Issue 3, August 2009, Pages 811-828.

101. Estimation Procedures of Using Five Alternative Machine Learning

Methods for Predicting Credit Card Default by Michael Lee (mlee19@gatech.edu) and Huei-Wen Teng (venteng@gmail.com)

102. Alternative Methods to Derive Option Pricing Models: Review and Comparison

by Cheng-Few Lee (cflee@business.rutgers.edu) and Yibing Chen (chenyibing.cas@hotmail.com)

103. “Option Prices and Stock Market Momentum: Evidence from China” with Jianping Li, Yanzhen Yao, and Yibing Chen (chenyibing.cas@hotmail.com), *Quantitative Finance, Published online: 23 Apr 2018*

104. Advancement of Optimal Portfolios with Short-sales and Transaction Costs: Modeling and Effectiveness by Paul Chiou (w.chiou@northeastern.edu) and Jing-RungYu (jennifer@ncnu.edu.tw)

105. The path leading up to the new IFRS 16 leasing standard: how was the restructuring of lease accounting received by different advocacy groups? By Christian Blecher and Stephanie Kruse

106. Implied Variance Estimates For Black-Scholes And CEV OPM: Review And Comparisonby Cheng-Few Lee, Yibing Chen (chenyibing.cas@hotmail.com),and John Lee

107. Crisis Impact on Stock Market Predictability by Rajesh Mohnot (rajesh\_mohnot@yahoo.com and r.mohnot@mdx.ac)

108. How Many Good and Bad Funds Are there, Really? Wayne Ferson (Wayne.Ferson@ Marshall.USC.edu) and Yong Chen (ychen@mays.tamu.edu)

109. Constant Elasticity Of Variance Option Pricing Model: Integration And Detailed Derivation by Y.L. Hsu (ylhsu@amath.nchu.edu.tw), T.I. Lin**,** and Cheng-Few Lee

110. An Integral-Equation Approach For Defaultable Bond Prices With Application To Credit Spreads byYu-Ting Chen (ychen134@utk.edu), Cheng-Few Lee, and Yuan-Chung Sheu (sheu@math.nctu.edu.tw)

111. Sample Selection Issues and Applications by Hwei-Lin Chuang (hlchuang@mx.nthu.edu.tw) and Shih-Ying Chiu

112. Time Series and Neural Network Analysis by K. C. Tseng (kctseng1940@yahoo.com), Ojoung Kwon, and Luna C. Tjung

113. Covariance Regression Model for Non-normal Data by Tao Zou (tao.zou@anu.edu.au), Ronghua Luo (ronghua@swufe.edu.cn),Wei Lan (lanwei@swufe.edu.cn) and Chih-Ling Tsai (cltucd@gmail.com)

114. Impacts of Time Aggregation on Beta Value and R Squared Estimations Under Additive and Multiplicative Assumptions: Theoretical Results and Empirical Evidence by Cheng-Few Lee (cflee@business.rutgers.edu)

115. Large-sample Theory by Sunil S. Poshakwale (sunil.poshakwale@cranfield.ac.uk) and Anandadeep Mandal (a.mandal@bham.ac.uk)

116. Corporate Valuation and Merger and Acquisition Transactions by Yasser Alhenawi (ya22@evansville.edu)

117. Big data and Artificial Intelligence in Banking Industry by T. Robert Yu and Xuehu (Jason) Song

118. A Non-Parametric Examination of Emerging Markets Financial Integration by Ke Yang, Susan Wahab (SuWahab@hartford.edu), Bharat Kolluri, and Mahmoud Wahab

119. ALAN - Algorithmic Analyst An application for Artificial Intelligence Content as a Service by Ted Hong (ted@beyondbond.com), Daniel Lee, Wen-Ching Wang

120. Survival analysis: Theory, Method, and Application by Feng Gao (fg175@scarletmail.rutgers.edu) and Xiaomin He (xhe@taihooncology.com)

121. Pricing Liquidity in the Stock Market by Ding Du and Ou Hu

122. The Evolution of Capital Asset Pricing Models: Update and Extension by Yi-Cheng Shih, Sheng-Syan Chen, Cheng-Few Lee (cflee@business.rutgers.edu), and Po-Jung Chen

123. The Multivariate GARCH Model and Its Application to East Asian Financial Market Integrationby Yoshihiko Tsukuda, Junji Shimada, and Tatsuyoshi Miyakoshi (miyakoshi@hosei.ac.jp)

124. Review of Difference-in-Difference Analyses in Social Sciences: Application in Policy Test Research by William H. Greene (wgreene@stern.nyu.edu) and Min (Shirley) Liu (min.liu@brooklyn.cuny.edu)

125. Using Smooth Transition Regressions to Model Risk Regimes by Liam A. Gallagher (liam.gallagher@dcu.ie), Mark C. Hutchinson (m.hutchinson@ucc.ie), and John O’Brien (j.obrien@ucc.ie)