
Professor of Microeconomic Analysis

Dr. Nickolaos G. Tzeremes, PhD

Abstract Nickolaos Tzeremes holds the position of Professor of Microeconomic Analysis in the Department of Economics at the University of Thessaly. His academic pursuits revolve around Applied Microeconomics, with a primary focus on Efficiency and Productivity. His scholarly contributions extend to numerous publications in prestigious international journals, including but not limited to: the Journal of Applied Econometrics, Research Policy, European Journal of Operational Research, British Journal of Management, Economics Letters, Omega, Journal of the Operational Research Society, Journal of Productivity Analysis, International Journal of Operations and Production Management, Journal of International Money and Finance, Journal of Business Research, and the Journal of Banking Finance. According to Scopus data provided by Elsevier through ICSR Lab, Nickolaos Tzeremes has consistently ranked in the top 2 percent of worldwide top-cited scientists in the sub-field of Operations Research for three years (2021, 2022 and 2024)

I Editorials

Associate Editor of **International Journal of Finance and Economics**, John Wiley and Sons Ltd [\[Link\]](#)

Associate Editor of **Economic Modelling**, Elsevier BV [\[Link\]](#)

Associate Editor of **Economic Analysis and Policy**,

Elsevier BV [\[Link\]](#)

Associate Editor of **Studies in Microeconomics**, SAGE Publications Ltd [\[Link\]](#)

Associate Editor of **Journal of Economic Surveys**, John Wiley and Sons Ltd [\[Link\]](#)

Editorial Board Member of **Tourism Economics**, SAGE Publications Ltd [\[Link\]](#)

II Reviewer for

Applied Economics Letters, Applied Economics, Applied Energy, Annals of Operations Research, Anatolia, Business Strategy and the Environment, Corporate Social Responsibility Environmental Management Journal, Defence and Peace Economics, Ecological Economics, Economic Analysis Policy, Economic Change and Restructuring, Economic Modelling, Economic Systems, Economics Bulletin, Economics of Education Review, Economics of Innovation and New Technology, Economies, Empirical Economics, Energy, Energy Economics, Environment Development Economics, Environmental Modeling Assessment, European Journal of Operational Research, Expert Systems with Applications, IMA Journal of Management Mathematics, INFOR: Information Systems and Operational Research, International Journal of Hospitality Management, International Journal of Information Technology Decision Making, International Journal of Productivity and Performance Management, International Review of Applied Economics, International Review of Economics and Finance, International Journal of Finance and Economics, International Review of Financial Analysis, International Tax Public Finance, Japan The World Economy, Journal of Applied Economics, Journal of Asian Economics, Journal of Banking and Finance, Journal of Business Research, Journal of Cleaner Production, Journal of

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W (2): <http://sites.google.com/site/tzeremesn/>

Co-operative Organization and Management, Journal of Cultural Economics, Journal of Economic Behavior and Organization, Journal of Economic Structures, Journal of Economic Studies, Journal of Environmental Management, Journal of Hospitality Tourism Research, Journal of Institutional Economics, Journal of International Financial Markets, Institutions Money, Journal of the Operational Research Society, Journal of Productivity Analysis, Letters in Spatial and Resource Sciences, Omega: The International Journal of Management Science, Operational Research: An International Journal, PLOS ONE, Processes, Quarterly Review of Economics Finance, Managerial Decision Economics, North American Journal of Economics Finance, RAIRO - Operations Research, Physica A: Statistical Mechanics and its Applications, Research in International Business and Finance, Research Policy, Resource Policy, Review of Development Economics, SPOUDAI Journal of Economics and Business, Sustainability, Technological Forecasting Social Change, Tourism Economics, Transportation Research Part D: Transport and Environment.

III PhD supervision

Stavros Kourtzidis (completed , June 2015). Thesis title: "Construction and economic applications of two-stage DEA models". University of Thessaly, Department of Economics. [\[Link\]](#)

Kleanthis Natsiopoulou (completed, December 2025). Thesis title: "Computational Statistics and Econometrics: Economic Models and Applications in R-language" [\[Link\]](#)

IV Software Component

1. CRAN Package: ARDL [\[Link\]](#)

Package Description: Creates complex autoregressive distributed lag (ARDL) models providing just the order and automatically constructs the underlying unrestricted and restricted error correction model (ECM). It also performs the bounds-test for cointegration as described in Pesaran et al. (2001) [\[doi:10.1002/jae.616\]](#) and provides the multipliers and the cointegrating equation.

NEWS!!! The validity and the accuracy of the **ARDL** package has been verified by successfully replicating Pesaran et al. (2001) [\[doi:10.1002/jae.616\]](#) results.

When use the package please cite as:

Natsiopoulou K, **Tzeremes NG**, (2022). ARDL bounds test for cointegration: Replicating the Pesaran et al. (2001) results for the UK earnings equation using R. *Journal of Applied Econometrics*, 37(5), 1079-1090. [\[Link\]](#)

*R Codes, Readme file, and Data of the paper [\[Here\]](#)

V Single Authorship Publications in Academic Journals

2. **Tzeremes NG** (2025). Exploring the research impact of Professor Efthymios (Mike) Tsionas. *Tourism Economics*, 31(1), 3-13. [\[Link\]](#)
3. **Tzeremes NG** (2021). Robust Malmquist productivity measurement: Evidence from Spanish hotel industry during the Great Recession. *International Journal of Productivity and Performance Management*, 70(2), 408-426. [\[Link\]](#)
4. **Tzeremes NG** (2019). Technological change, technological catch-up and export orientation: Evidence from Latin American Countries. *Journal of Productivity Analysis*, 52(1-3), 85-100. [\[Link\]](#)
5. **Tzeremes NG** (2019). Hotel productivity: A robust Luenberger productivity indicator. *Tourism Economics*, 25 (6), 987-996 [\[Link\]](#)
6. **Tzeremes NG** (2018). Financial development and countries' production efficiency: A Nonparametric analysis. *Journal of Risk and Financial Management*, 11 (3),46. [\[Link\]](#)
7. **Tzeremes NG** (2015). Efficiency dynamics in Indian banking: A conditional directional distance approach. *European Journal of Operational Research*, 240 (3), 807-818. [\[Link\]](#)
8. **Tzeremes NG** (2014). The effect of human capital on countries' economic efficiency. *Economics Letters*, 124(1), 127-131. [\[Link\]](#)

VI Selected Publications in Academic Journals

9. Fukuyama H, Kourtzidis SA, Matousek R, **Tzeremes NG** (2026). Environmental Efficiency under Materials Balance: A Minimum-Distance Directional Slack Approach. *European Journal of Operational Research*, DOI: <https://doi.org/10.1016/j.ejor.2026.06.042>. [\[Link\]](#)
10. Matousek R, Papadamou S, Tzeremes P, **Tzeremes NG** (2026). From independence to interdependence: The global connectedness of central banks' balance

- sheet total assets. *Journal of International Money and Finance*, 160, 103473. [\[Link\]](#)
11. Pires G, Wanke P, Antunes J, Tan Y, Tzeremes NG (2026). Portfolio optimization with minimum assets and dividend yield constraints. *Annals of Operations Research*, <https://doi.org/10.1007/s10479-026-07084-2>. [\[Link\]](#)
 12. Assaf GA, Tzeremes NG, Berbekova A, Cao Y, Josiassen A, Kock F (2025). A critical reflection on DEA studies in tourism and hospitality. *International Journal of Contemporary Hospitality Management*, 37(12), 3952–3964. [\[Link\]](#)
 13. Tsiapa M, Tzeremes P, Tzeremes NG (2025). Productivity slowdown and regional productivity heterogeneity. *Journal of Productivity Analysis*, 64(1), 23–41. [\[Link\]](#)
 14. Cordina R, Kourtzidis SA, Power DA, Tzeremes NG (2025). An analysis of country-by-country data for EU banks: An investigation of bank performance and risk. *Review of Quantitative Finance and Accounting*, 65, 1405–1431. [\[Link\]](#)
 15. Fukuyama H, Matousek R, Tzeremes NG (2024). Bank production with nonperforming loans: A minimum distance directional slack inefficiency approach. *Omega*, 126, 103063. [\[Link\]](#)
 16. Fukuyama H, Matousek R, Tzeremes NG (2024). A material balance approach for modelling banks' production process with non-performing loans. *Journal of the Operational Research Society*, 75(9), 1726–1737. [\[Link\]](#)
 17. Fukuyama H, Matousek R, Tzeremes NG (2023). Estimating the degree of firms' input market power via data envelopment analysis: Evidence from the global biotechnology and pharmaceutical industry. *European Journal of Operational Research*, 305, 946–960. [\[Link\]](#)
 18. Natsiopoulou K, Tzeremes NG, (2022). ARDL bounds test for cointegration: Replicating the Pesaran et al. (2001) results for the UK earnings equation using R. *Journal of Applied Econometrics*, 37(5), 1079–1090. [\[Link\]](#)
 19. Tsionas M, Tzeremes NG (2022). Eco-efficiency estimation with quantile stochastic frontiers: Evidence from the United States. *Journal of Environmental Management*, 320, 115876. [\[Link\]](#)
 20. Fukuyama H, Matousek R, Tzeremes NG (2022) Bank production with nonperforming loans: A minimum distance directional slack inefficiency approach. *Omega*, 113, 102706. [\[Link\]](#)
 21. Tsionas M, Tzeremes NG (2022). The Degree of Internationalization and Firm Productivity: Empirical evidence from large multinationals. *British Journal of Management*, 33, 1969–1990. [\[Link\]](#)
 22. Fukuyama H, Matousek R, Tzeremes NG (2022) Minimum distance efficiency measure in bank production: a directional slack inefficiency approach. *Journal of the Operational Research Society*, 73(8), 1742–1754. [\[Link\]](#)
 23. Kourtzidis SA, Matousek R, Tzeremes NG (2021). Modelling a multi-period production process: Evidence from the Japanese regional banks. *European Journal of Operational Research*, 294, 327–339. [\[Link\]](#)
 24. Polemis ML, Stengos T, Tzeremes P, Tzeremes NG (2021) Quantile eco-efficiency estimation and convergence: A nonparametric frontier approach. *Economics Letters*, 202, 109813. [\[Link\]](#)
 25. Kounetas K, Polemis ML, Tzeremes NG (2021) Measurement of eco-efficiency and convergence: Evidence from a non-parametric frontier analysis. *European Journal of Operational Research*, 291(1), 365–378. [\[Link\]](#)
 26. Polemis ML, Stengos T, Tzeremes NG (2020) Modeling the effect of competition on US manufacturing sectors' efficiency: An Order-m frontier analysis. *Journal of Productivity Analysis*, 54, 27–41. [\[Link\]](#)
 27. Cordero JM, Polo C, Tzeremes NG (2020) Evaluating the efficiency of municipalities in the presence of unobserved heterogeneity. *Journal of Productivity Analysis*, 53(3), 377–390. [\[Link\]](#)
 28. Fukuyama H, Matousek R, Tzeremes NG (2020) A Nerlovian cost inefficiency two-stage DEA model for modelling banks' production process: evidence from the Turkish banking system. *Omega: The International Journal of Management Science*, 95, 102198. [\[Link\]](#)
 29. Polemis ML, Stengos T, Tzeremes NG (2020) Advertising expenses and operational performance: Evidence from the global hotel industry. *Economics Letters*, 192, 109220. [\[Link\]](#)
 30. Grant K, Matousek R, Meyer M, Tzeremes NG (2020) Research and development spending and technical efficiency: Evidence from biotechnology and pharmaceutical sector. *International Journal of Production Research*, 58(20), 6170–6184. [\[Link\]](#)
 31. Broadstock D, Matousek R, Meyer M, Tzeremes NG (2020) Does Corporate social responsibility impact firms' innovation capacity? The indirect link between environmental social governance implementation and innovation performance. *Journal of Business Research*, 119, 99–110. [\[Link\]](#)
 32. Matousek R, Papadamou S, Sevic A, Tzeremes NG (2019) The effectiveness of quantitative easing: Evidence from Japan. *Journal of International Money and Finance*, 99, 102068. [\[Link\]](#)

33. Degl'Innocenti M, Matousek R, **Tzeremes NG** (2019). The interconnections of academic research and universities' "third mission": Evidence from the UK. *Research Policy*, 48 (9), 103793 [\[Link\]](#)
34. Broadstock D, Managi S, Matousek N, **Tzeremes NG** (2019). Does doing 'good' always translates into doing 'well'? An Eco-efficiency perspective, *Business Strategy and the Environment*, 28 (6), 1199–1217. [\[Link\]](#)
35. Polemis M, **Tzeremes NG** (2019). Competitive conditions and sectors' productive efficiency: A conditional non-parametric frontier analysis. *European Journal of Operational Research*, 276(3), 1104–1118. [\[Link\]](#)
36. Kourtzidis SA, Matousek R, **Tzeremes NG** (2019). Productivity Growth in Network Models: An Application to Banking during the financial crisis. *Journal of the Operational Research Society*, 70, 111–124. [\[Link\]](#)
37. Degl'Innocenti M, Matousek R, **Tzeremes NG** (2018). Financial centres' competitiveness and economic convergence: Evidence from the EU regions. *Environment and Planning A*, 50(1), 133–156. [\[Link\]](#)
38. Degl'Innocenti M, Grant K, Sevic A, **Tzeremes NG** (2018). Financial stability, competitiveness and banks' innovation capacity: Evidence from the Global Financial Crisis. *International Review of Financial Analysis*, 59, 35–46. [\[Link\]](#)
39. Grant K, Matousek R, Meyer M, **Tzeremes NG** (2017). A research note on multinationality and firm performance: nonparametric frontier analysis. *International Journal of Operations and Production Management*, 37, 1408–1424. [\[Link\]](#)
40. Kevork I, Pange J, Tzeremes P, **Tzeremes NG** (2017). Estimating malmquist productivity indexes using probabilistic directional distances: An application to the European banking sector. *European Journal of Operational Research*, 261, 1125–1140. [\[Link\]](#)
41. Degl'Innocenti M, Kourtzidis SA, Sevic Z, **Tzeremes NG** (2017). Bank productivity growth and convergence in the European Union during the financial crisis. *Journal of Banking and Finance*, 75, 184–199. [\[Link\]](#)
42. Degl'Innocenti M, Matousek R, Sevic Z, **Tzeremes NG** (2017). Bank efficiency and financial centres: Does geographical location matter? *International Financial Markets, Institutions Money*, 46, 188–198. [\[Link\]](#)
43. Mallick S, Matousek R, **Tzeremes NG** (2016). Financial development and productive inefficiency: A robust conditional directional distance function approach. *Economics Letters*, 145, 196–201. [\[Link\]](#)
44. Matousek R, **Tzeremes NG** (2016). CEO compensation and bank efficiency: An application of conditional nonparametric frontiers. *European Journal of Operational Research*, 251, 264–273. [\[Link\]](#)
45. Halkos GE, Matousek R, **Tzeremes NG** (2016). Pre-evaluating technical efficiency gains from possible mergers and acquisitions: Evidence from Japanese regional banks. *Review of Quantitative Finance and Accounting*, 46(1), 47–77. [\[Link\]](#)
46. Halkos GE, **Tzeremes NG**, Kourtzidis SA (2015). Weight assurance region in two-stage additive efficiency decomposition DEA model: An application to school data. *Journal of the Operational Research Society*, 66 (4), 696–704. [\[Link\]](#)
47. Halkos GE, **Tzeremes NG**, Kourtzidis SA (2014). A unified classification of two-stage DEA models. *Surveys in Operations Research and Management Science*, 19, 1–16. [\[Link\]](#)
48. Halkos GE, **Tzeremes NG** (2014). Measuring the effect of Kyoto Protocol Agreement on countries' environmental efficiency in CO2 emissions: An application of conditional full frontiers. *Journal of Productivity Analysis*, 41(3), 367–382. [\[Link\]](#)
49. Halkos GE, **Tzeremes NG** (2013). Carbon dioxide emissions and governance: A nonparametric analysis for the G-20. *Energy Economics*, 120 (1), 110–118. [\[Link\]](#)
50. Halkos GE, **Tzeremes NG** (2013). Economic growth and environmental efficiency: Evidence from U.S. regions. *Economics Letters*, 120(1), 45–52. [\[Link\]](#)
51. Halkos GE, **Tzeremes NG** (2013). Estimating the degree of operating efficiency gains from a potential bank merger and acquisition: A DEA bootstrapped approach. *Journal of Banking and Finance*, 37(5), 1658–1668. [\[Link\]](#)
52. Halkos GE, **Tzeremes NG** (2013). A conditional directional distance function approach for measuring regional environmental efficiency: Evidence from UK regions. *European Journal of Operational Research*, 227, 182–189. [\[Link\]](#)
53. Halkos GE, **Tzeremes NG** (2011). Oil consumption and economic efficiency: a comparative analysis of advanced, developing and emerging economies. *Ecological Economics*, 70, 1354–1362. [\[Link\]](#)
54. Halkos GE, **Tzeremes NG** (2010). The effect of foreign ownership on SMEs performance: An efficiency analysis perspective. *Journal of Productivity Analysis*, 34, 167–180. [\[Link\]](#)
55. Halkos GE, **Tzeremes NG** (2009). Exploring the existence of Kuznets Curve in countries' environmental efficiency using DEA window analysis. *Ecological Economics*, 68, 2168–2176. [\[Link\]](#)

56. Halkos GE, **Tzeremes NG** (2007). Productivity, efficiency and firm size: An empirical analysis of foreign owned companies. *International Business Review*, 16(6), 713-731. [\[Link\]](#)

VII Rest of Publications in Academic Journals

2026

57. Koulis A, Papadamou S, Tzeremes PG, **Tzeremes NG** (2026). Airline stocks and Travel Leisure sector conditions: A cross-quantilogram analysis across regions and horizons. *Tourism Economics*, <https://doi.org/10.1177/13548166261463810>.

2025

58. Fukuyama H, Matousek R, **Tzeremes NG** (2025). Detecting skimping in bank production process with non-performing loans: A distance minimization approach. *Economic Modelling*, 152, 107305.

2024

59. Polemis ML, Tzeremes P, **Tzeremes NG** (2024) An integrated framework for decomposing the eco-Malmquist productivity index. *Applied Economics Letters*, DOI: 10.1080/13504851.2024.2337332.
60. Papadamou S, Tzeremes P, **Tzeremes NG** (2024) Advertising Expenditures and Unobserved Heterogeneity in Bank Performance: A Conditional Non-parametric Frontier Analysis. *Managerial and Decision Economics*, 45(5), 3359-3373.
61. Natsiopoulou K, **Tzeremes NG** (2024) ARDL: An R Package for ARDL Models and Cointegration. *Computational Economics*, 64, 1757-1773. .

2023

62. Polemis M, Tzeremes P, **Tzeremes NG** (2023) Hotels' occupancy rates and convergence: Empirical evidence from the first pandemic wave. *Tourism Economics*, 29(2), 533-542.

2022

63. Polemis M, Fotis P, Tzeremes P, **Tzeremes NG** (2022). On the examination of the decoupling effect of air pollutants from economic growth: a convergence analysis for the US, *Letters in Spatial and Resource Sciences*, <https://doi.org/10.1007/s12076-022-00320-w>.
64. Chen Z, Kourtzidis SA, Tzeremes P, **Tzeremes NG** (2022). A robust network DEA model for sustainability assessment: an application to Chinese Provinces, *Operational Research*, 22, 235-262.

65. Natsiopoulou K, **Tzeremes NG** (2022) ARDL: An R package for the analysis of level relationships, *Journal of Open Source Software*, 7(79), 3496.

2021

66. Fukuyama H, Matousek R, **Tzeremes NG** (2021) Analyzing bank "black boxes": A two-stage Nerlovian profit inefficiency model. *Expert Systems with Applications*, 183(30), 115405.
67. Kollias C, Tzeremes P, **Tzeremes NG** (2021). Productivity Convergence and Divergence in Latin America, 1970-2014, *Review of Economic Analysis*, 13(3), 315-337.
68. Matousek R, **Tzeremes NG** (2021). The asymmetric impact of human capital on economic growth. *Empirical Economics*, 60(3), 1309-1334.
69. Cordero JM, Díaz-Carao C, Pedraja-Chaparro F, **Tzeremes NG** (2021). A Conditional Directional Distance Function Approach for Measuring Tax Collection Efficiency: Evidence from Spanish Regional Offices. *International Transactions in Operational Research*, 28(2), 1046-1073.
70. Tzeremes P, **Tzeremes NG** (2021). Productivity in the hotel industry: An Order- Malmquist productivity indicator, *Journal of Hospitality and Tourism Research*, 45(1), 133-150.
71. Kallioras D, **Tzeremes NG**, Tzeremes P, Adamakou M (2021). Technological Change, technological catch-Up and Market potential: Evidence from the EU Regions, *Regional Science Inquiry*, 0(1), 135-151.

2020

72. Mallick S, Rughoo A, **Tzeremes NG**, Xu W (2020). Technological change and catching-up in the Indian banking sector: A time-dependent nonparametric frontier approach, *Computational Economics*, 56, 217-237.
73. Ozcan B, Tzeremes P, **Tzeremes NG** (2020). Energy Consumption, Economic Growth and Environmental Degradation in OECD countries, *Economic Modelling*, 84, 203-213.
74. Polemis M, Stengos T, **Tzeremes NG** (2020). Revisiting the impact of financial depth on growth: A semi-parametric approach, *Finance Research Letters*, 36, 101322.

2019

75. Kourtzidis SA, Tzeremes P, **Tzeremes NG** (2019). Conditional time-dependent nonparametric estimators with an application to healthcare production function, *Journal of Applied Statistics*, 46(13), 2481-2490.

76. Kourtzidis SA, **Tzeremes NG** (2019). Investigating the determinants of firm performance: A Qualitative Comparative Analysis of insurance companies, *European Journal of Management and Business Economics*, 29(1), 3-22.

2018

77. Kourtzidis SA, Tzeremes P, **Tzeremes NG**, Heryán T (2018). Integration of tourism markets in Australia: An international visitor arrivals' convergence assessment. *Tourism Economics*, 24(7), 901-907.
78. Tzeremes P, **Tzeremes NG** (2018). Convergence assessment of water price rates: evidence from major U.S. cities. *Letters in Spatial and Resource Sciences*, 11(3), 361-368.
79. Kollias C, Paleologou SM, Tzeremes P, **Tzeremes NG** (2018). The Demand for Military Spending in Latin American Countries. *Latin American Economic Review*, 27, 1-17.
80. Kollias C, Paleologou SM, Tzeremes P, **Tzeremes NG** (2018). The demand for defense spending in Russia: Economic and strategic determinants. *Russian Journal of Economics*, 4, 215-228.
81. Chen Z, Tzeremes P, **Tzeremes NG** (2018). Convergence in the Chinese airline industry: A Malmquist productivity analysis. *Journal of Air Transport Management*, 73, 77-86.
82. Cordero JM, **Tzeremes NG** (2018). Financial crisis and hotel labour-productivity growth: Evidence from Spanish islands. *Applied Economics Letters*, 25(19), 1376-1382.
83. Tsiapa M, Kallioras D, **Tzeremes NG** (2018). The Role of Path-dependence in the Resilience of EU Regions. *European Planning Studies*, 26(6), 1099-1120.
84. Kourtzidis SA, Tzeremes P, **Tzeremes NG** (2018). Re-evaluating the energy consumption-economic growth nexus for the United States: An asymmetric threshold cointegration analysis. *Energy*, 148, 537-545.
85. Kevork I, Kollias C, Tzeremes P, **Tzeremes NG** (2018). European financial crisis and bank productivity: Evidence from Eastern European Countries. *Applied Economics Letters*, 25(4), 283-289.
- and nonlinear causality tests. *Latin American Economic Review*, 26(2), DOI 10.1007/s40503-017-0039-4.
88. Cordero JM, **Tzeremes NG** (2017). Evaluating hotel productivity growth in Balearic and Canary islands. *Tourism Economics*, 23(5), 1146-1154.
89. Papadamou S, Sidiropoulos M, **Tzeremes NG** (2017). Investigating the relationship between central bank transparency and stock market volatility in a non-parametric framework. *Credit and Capital Markets*, 50(1), 63-83.

2016

90. Halkos GE, **Tzeremes NG**, Kourtzidis SA (2016). Measuring sustainability efficiency using a two-stage DEA approach. *Journal of Industrial Ecology*, 20, 1159-1175.
91. Halkos GE, Stern D, **Tzeremes NG** (2016). Population, economic growth and regional environmental inefficiency: Evidence from U.S. State. *Journal of Cleaner Production*, 112, 4288-4295.

2015

92. Halkos GE, Sundström A, **Tzeremes NG** (2015). Regional environmental performance and governance quality: A non-parametric analysis. *Environmental Economics and Policy Studies*, 17(4), 621-644.
93. Halkos GE, Managi S, **Tzeremes NG** (2015). The effect of natural and manmade disasters on countries' production efficiency. *Journal of Economic Structures*, 4(10) DOI: 10.1186/s40008-015-0019-2.
94. Halkos GE, **Tzeremes NG**, Tzeremes, PG (2015). A nonparametric approach for evaluating long-term energy policy scenarios: An application to the Greek energy system. *Journal of Economic Structures*, 4(1), DOI: 10.1186/s40008-015-0011-x.
95. Halkos GE, **Tzeremes NG**, Kourtzidis SA (2015). Regional sustainability efficiency index in Europe: An additive two-stage DEA approach. *Operational Research: An International Journal*, 15 (1), 1-23.
96. Halkos GE, **Tzeremes NG** (2015). Measuring seaports' productivity: A Malmquist productivity index decomposition approach. *Journal of Transport Economics and Policy*, 49 (2), 355-376.

2014

97. Halkos GE, **Tzeremes NG** (2014). Public sector transparency and countries' environmental performance: A nonparametric analysis. *Resource and Energy Economics*, 38, 19-37.

86. Degl'Innocenti M, Kourtzidis SA, Sevic Z, **Tzeremes NG** (2017). Investigating bank efficiency in transition economies: A window-based weight assurance region approach. *Economic Modelling*, 67, 23-33.
87. Kollias C, Paleologou SM, Tzeremes P, **Tzeremes NG** (2017). Defence expenditure and economic growth in Latin American countries: evidence from linear

98. Halkos GE, Tzeremes NG (2014). The effect of electricity consumption from renewable sources on countries' economic growth levels: Evidence from advanced, emerging and developing economies. *Renewable and Sustainable Energy Reviews*, 39, 166-173.
- 2013**
99. Halkos GE, Tzeremes NG (2013). National culture and eco-efficiency: An application of conditional partial nonparametric frontiers. *Environmental Economics and Policy Studies*, 15(4), 423-441.
 100. Halkos GE, Tzeremes NG (2013). Modelling the effect of national culture on countries' innovation performance: a conditional full frontier approach. *International Review of Applied Economics*, 27 (5), 656-678.
 101. Halkos GE, Tzeremes NG (2013). Renewable energy consumption and economic efficiency: Evidence from European countries. *Journal of Renewable and Sustainable Energy*, 5, 041803, [dx.doi.org/10.1063/1.4812995](https://doi.org/10.1063/1.4812995).
 102. Halkos GE, Tzeremes NG (2013). A two-stage double bootstrap DEA: The case of the top twenty five European football clubs' efficiency levels. *Managerial and Decision Economics*, 34, 108-115.
- 2012**
103. Halkos GE, Tzeremes NG (2012). Industry performance evaluation with the use of financial ratios: An application of bootstrapped DEA. *Expert Systems with Applications*, 39, 5872-5880.
 104. Vliamos SJ, Tzeremes NG (2012). Factors influencing entrepreneurial process and firm start-ups: evidence from central Greece. *Journal of the Knowledge Economy*, 3, 250-264.
 105. Halkos GE, Tzeremes NG (2012). The effect of access to improved water sources and sanitation on economic efficiency: the case of Sub-Saharan African countries. *South African Journal of Economics*, 80(2), 246-263.
 106. Halkos GE, Tzeremes NG, Kourtzidis S (2012). Measuring public owned university departments' efficiency: a bootstrapped DEA approach. *Journal of Economics and Econometrics*, 55(2), 1-24.
 107. Halkos GE, Tzeremes NG (2012). Analysing the Greek renewable energy sector: A Data Envelopment Analysis approach. *Renewable and Sustainable Energy Reviews*, 16, 2884-2893.
 108. Halkos GE, Tzeremes NG (2012). Measuring German regions' environmental efficiency: a directional distance function approach. *Letters in Spatial and Resource Sciences*, 5(1), 7-16.
109. Halkos GE, Tzeremes NG (2012). The culture of corruption: A nonparametric analysis. *Economics Bulletin*, 32(1), 315-324.
- 2011**
110. Halkos GE, Tzeremes NG (2011). A conditional nonparametric analysis for measuring the efficiency of regional public healthcare delivery: An application to Greek prefectures. *Health Policy*, 103, 73-82.
 111. Halkos GE, Tzeremes NG (2011). Growth and environmental pollution: Empirical evidence from China. *Journal of Chinese Economic and Foreign Trade Studies*, 4(3), 144-157.
 112. Halkos GE, Tzeremes NG (2011). Modelling regional welfare efficiency applying conditional full frontiers. *Spatial Economic Analysis*, 6(4), 451-471.
 113. Halkos GE, Tzeremes NG (2011). Measuring Economic Journals' Citation Efficiency: A Data Envelopment Analysis Approach. *Scientometrics*, 88: 979-1001.
 114. Halkos GE, Tzeremes NG (2011). Modelling the effect of national culture on multinational banks' performance: A conditional robust nonparametric frontier analysis. *Economic Modelling*, 28, 515-525.
- 2010**
115. Halkos GE, Tzeremes NG (2010). Measuring regional economic efficiency: The case of Greek prefectures. *The Annals of Regional Science*, 45, 603-632.
 116. Halkos GE, Tzeremes NG (2010). Corruption and economic efficiency: Panel data evidence. *Global Economic Review*, 39(4), 441-454.
 117. Halkos GE, Tzeremes NG (2010). Measuring biodiversity performance: A conditional efficiency measurement approach. *Environmental Modelling and Software*, 25, 1866-1873.
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