

Shane Sanders, Ph.D.

Professor of Sports Economics/Analytics, Falk College
Syracuse University | sdsander@syr.edu | 309 255 6872

Present Position

Professor, Sports Economics & Analytics
Falk College of Sport & Human Dynamics
Syracuse University [5/20-present].

Associate Professor, Sports Economics & Analytics
Falk College of Sport & Human Dynamics
Syracuse University [8/16-5/20].

Analytic Personnel Scouting Consultant, EuroLeague and Israeli Basketball Super League (1st Division) Basketball Teams, 2/17-present (in support of 2 Israeli League Titles).

Previous Position

Associate Professor of Economics, Western Illinois University, College of Business and Technology, 1/2011 to 8/2016.

Research Fields of Specialization

Sports Economics, Sport Analytics, Sport Finance, Econometrics, Public Choice, Applied Game Theory. Software Proficiencies: R, STATA, Tableau, SQL.

Education

Ph.D. 2007, Economics, Kansas State University (Manhattan, KS).
G.P.A.: 4.0, Tested Fields: Econometrics and Applied Game Theory.
Highest Distinction on Microeconomic Theory Qualifying Exam.
Dissertation: Three Essays on the Economics of Conflict and Contest.
Ph.D. Dissertation Adviser: Dr. Yang-Ming Chang.

B.A. 2002, Economics, Indiana University (Bloomington, IN).
G.P.A. = 3.97 Minor: Mathematics, $\phi\beta\kappa$, Summa Cum Laude.
Senior Honors Thesis: An Analysis of Charter School Accessibility in Michigan.
Undergraduate Thesis Adviser: Dr. Roy Gardner.

Editorial Positions

Public Choice, Guest Editor [2017-2018].

Managerial Finance, Guest Editor [2015-2016; 2017-2018; 2020].

Managerial Finance, Associate Editor [2020-present].

Academy of Economics & Finance Journal, Associate Editor [2012-present].

Southern Business & Economic Journal, Co-Editor [2012-2014], Associate Editor [2015-present].

Publications

Published, Open-Access Data Set URLs

Replication Data for: [The Alliance Formation Puzzle in Contests with Capacity-Constraints: A Test using American Football Reception-Coverage Contest Data.](#)

Replication Data for: [2018 and 2019 NBA and WNBA Three Point Contest.](#)

Peer-Reviewed Journal Articles & Current Revise-Resubmits

51. Network Competition and Team Chemistry in the NBA. Forthcoming at *J of Business & Economic Statistics*. 2020. (with W. Horrace & H. Jung).
50. Association of professional football cumulative head impact index scores with all-cause mortality among National Football League players. *JAMA Network Open*, 3(5), e204442-e204442 (with Kmush, B. L., Mackowski, M., Ehrlich, J., Walia, B., & Owora, A.).
49. The aggregation paradox for statistical rankings and nonparametric tests. *PLOS ONE* 15(3) (2020): e0228627 (with H.N. Nagaraja).
48. The Alliance Formation Puzzle in Contests with Capacity-Constraints: A Test using American Football Reception-Coverage Contest Data. Forthcoming at *PLOS ONE* 15(3), e0227750 (with J. Ehrlich, M. Harmon).
47. The Relative Wages of Offense and Defense in the NBA: A Setting for Win-Maximization Arbitrage? *Journal of Quantitative Analysis in Sports*. 2019 (2019-0095) Published Online, 5/29/2019 (with J. Ehrlich & C. Boudreaux).
46. Mortality risk factors among National Football League players: An analysis using player career data. *F1000Research*, 8(2019) (with Ehrlich, J., Kmush, B., & Walia, B.)
45. H.K. Nagaraja & S. Sanders (2020). The Aggregation Paradox for Statistical Rankings and Nonparametric Tests, Forthcoming at *PLOS ONE*.

44. Sanders, S. (2019). Firm mergers and acquisitions (M&As). *Managerial Finance*.
43. The role of noise in alliance formation and collusion in conflicts. *Public Choice*. 2019. 179(3-4), 249-266. (with J. Boudreau and N. Shunda).
42. Stag Hunt Contests and Alliance Formation. *Public Choice*. 2019. 179(3-4), 267-285. (with J. Boudreau and L. Rentschler).
41. Strategic and Experimental Analyses of Conflict and Terrorism. *Public Choice*. 2019. 179(3-4), 169-174. (with T. Mathews).
40. A systematic review of etiological risk factors associated with early mortality among National Football League players. *Orthopaedic Journal of Sports Medicine*. 2018. 6(12), 2325967118813312. (A. Owora, B. Kmush, B. Walia, S. Sanders).
39. Asymmetric Endogenous Prize Contests. *Theory & Decision*. 2018, 1:19 (with D. Damianov & A. Yildizparlak).
38. The Likelihood of Social Choice Violations in Rank Sum Scoring: Algorithms, Evidence for Combinatorial and Empirical Comparisons, and Importance in Collective Decision Making. *Public Choice*. 2018, 174:(3-4), 219-38 (with J. Boudreau, J. Ehrlich, and M. Raza).
37. The Moneyball Effect: Incentives and Output in the NBA Three Point Shootout. *Southern Business & Economic Journal*. 2018. 41(1): 15-28 (with J. Potter).
36. A Natural Experiment to Determine the Crowd Effect upon (NBA) Home Court Advantage. *Journal of Sports Economics*. 2017. 18(7), 737-49 (with C. Boudreaux and B. Walia).
35. Cycles in Team Tennis and Other Paired-Element Contests. *Games*. 2017. 8(3), 27 (S. Sanders, J. Boudreau, and J. Ehrlich).
34. Do Humanitarian Interventions Help Humanity? An Economic Analysis of the `Responsibility to Protect Norm in Intrastate Conflicts. *Journal of Development Innovations*. 2017. 1(2): 1-14 (with V. Auger and Y.M. Chang).
33. Curbing Food Waste: A Review of Recent Policy and Action in the USA. *Renewable Agriculture & Food Systems*. 2017. 1-9 (B. Walia & S. Sanders).
32. Teaching Preparation and Placement in Non-top-tier Ph.D. Programs. *Southern Economic Journal*. 2016. 83(1): 332-6 (B. Walia & S. Sanders).

31. The 2011-2021 NBA Collective Bargaining Agreement: Asymmetric Information, Bargaining Power and the Principal Agency Problem. *Managerial Finance*. 2016. 42(9): 891-901 (with T. Sadler).
30. In Memoriam: R. Morris Coats, a second wave public choice scholar in camouflage. *Public Choice*. 2016. 166(3-4): 379-87 (with G. Pecquet, G. Karahan, R.A. Luccasen, C. Boudreaux, and S. Sanders).
29. Inelastic Sports Ticket Pricing, Marginal Win Revenue, and Firm Pricing Strategy: A Behavioral Pricing Model. *Managerial Finance*. 2016. 42(9): 922-7 (with Y.M. Chang & J. Potter).
28. Financial Issues in the Sporting Industry. *Managerial Finance*. 2016. 42, 850-51 (with Y.M. Chang and T. Sadler).
27. The Costs of Conflict: A Choice-Theoretic, Equilibrium Analysis. *Economics Letters*. 2015. 131: 62-5 (with Y.M. Chang and B. Walia).
26. Choosing 'Flawed' Aggregation Rules: The Benefit of Social Choice Violations in a League that Values Competitive Balance. *Economics Letters*. 2015 137: 106-108 (with J. Boudreau).
25. Social Choice Violations in Rank Sum Scoring: A Formalization of Conditions and Corrective Probability Computations. *Mathematical Social Sciences*. 2014. 71: 20-9 (with J. Boudreau, Justin Ehrlich, and Adam Winn).
24. National Emissions Standards, Pollution Havens, and Global Greenhouse Gas Emissions. *American Journal of Economics & Sociology*. 2014. 73(2): 353-68 (S. Sanders, A. Alakshendra & B. Walia).
23. Endogenous Destruction in a Model of Armed Conflict: Implications for Conflict Intensity, Welfare, and Third-party Intervention. *Journal of Public Economic Theory*. 2014. 16(4), 606-19 (with B. Walia).
22. Political Costs and Fiscal Benefits: The Political Economy of Residential Property Value Assessment. *Economics Letters*. 2013. 120(3), 359-63 (with M. Makowsky).
21. Shirking and "Choking" under Incentive-based Pressure: A Behavioral Economic Theory of Performance Production. *Economics Letters*. 2012. 16(3): 363-366 (with B. Walia).
20. Do Economists Recognize an Opportunity Cost when they See One? A Dismal Performance or an Arbitrary Concept? *Southern Economic Journal*. 2012. 79(2): 248-56 (with J. Potter).

19. An Instructional Exercise in Price Controls: Product Quality, Misallocation, and Public Policy. *Journal of Industrial Organization Education*. 2012. 6(1) (D.L. Weisman, S. Sanders, & M. Moundigbaye).
18. Regional Information and Market Efficiency: The Case of Spread Betting in United States College Football. *Journal of Economics & Finance*. 2011. 35(1): 116-22 (with D. Kuester).
17. Do More Online Instructional Ratings Lead to Better Prediction of Instructional Quality? *Practical Assessment, Research & Evaluation*. 2011. 16(2): 1-6 (S. Sanders, B. Walia, J. Potter, and K. Linna).
16. Status Spending Races, Cooperative Consumption, and Voluntary Public Income Disclosure. *International Review of Economics Education*. 2011. 10(1): 29-53 (with D. Damianov).
15. Theories of Choice and Conflict in Psychology and Economics Revisited: A Pedagogical Bridge. *Journal of Economics & Finance Education*. 2011. 10(1): 45-61 (with R. Morris Coats).
14. Why Don't You Two Get a Room: A Puzzle and Pricing Model of Extra Services in Hotels. *Journal of Industrial Organization Education*. 2011. 6(1) (with D. Damianov).
13. Conflict Persistence and the Role of Third-Party Interventions. *Economics of Peace & Security Journal*. 2010. 5(1) (with Y.M. Chang and B. Walia).
12. Fallacies in the ANWR drilling debate: A Lesson on Scarcity Rents and Intertemporal Pricing under Different Market Structures. *Journal of Industrial Organization Education*. 2010. 4(1): Article 2 (with R.M. Coats and G. Pecquet).
11. The Welfare Implications of Rent Control: A Rent-Seeking Contest Approach. *B.E. Journal of Economic Analysis & Policy*. 2010. 10(1) (with Y.M. Chang).
10. A Model of the Relative Income Hypothesis. *Journal of Economic Education*. 2010. 41(3): 292-305 (S. Sanders).
9. Pool Revenue Sharing, Team Investments, and Competitive Balance in Professional Sports A Theoretical Analysis. *Journal of Sports Economics*. 2009. 10(4): 409-28 (with Y.M. Chang).
8. Corruption on the Court: The Causes and Social Consequences of Point-Shaving in NCAA Basketball. *Review of Law & Economics*. 2009. 5(1): 269-91 (with Y.M. Chang).
7. Raising the Cost of Rebellion: The Role of Third-Party Intervention in Intrastate Conflict. *Defence & Peace Economics*. 2009. 20(3): 149-69 (with Y.M. Chang).

6. Does Administrative Location of an Academic Department Affect Educational Emphasis? *Journal of Higher Education Policy & Management*. 2009. 31(3): 261-9. (S. Sanders).
5. Child Safety Seats on Commercial Airliners: A Demonstration of Cross-Price Elasticities. *Journal of Economic Education*. 2008. 39(2): 135-44 (S. Sanders, D. Weisman and D. Li).
4. A Constructive Comment on 'Rematches in Boxing and Other Sporting Events.' *Journal of Sports Economics*. 2008. 9(1): 96-9 (S. Sanders).
3. A Cheap Ticket to the Dance: Systematic Bias in College Basketball's Ratings Percentage Index. *Economics Bulletin*. 2007. 4(34): 1-7 (S. Sanders).
2. The Fate of Disputed Territories: An Economic Analysis. *Defence & Peace Economics*. 2007. 18(2): 183-200 (with Y.M. Chang & J. Potter).
1. War and Peace: Third-party Intervention in Conflict. *European Journal of Political Economy*. 2007. 23(4), 954-74 (with Y.M. Chang and J. Potter).

Research Grants

2019, Co-PI. *E-sport, psychological well-being, and sport participation: Data collection and natural field experimental analysis*, CUSE Grant, Syracuse University, **\$30,000** (with J. Kim (PI) and B. Walia).

2018, PI. *Cause of Death, Longevity, and Career: Statistical Characteristics among Former NFL Players: An Empirical Analysis using Categorical and Survival Models*, CUSE Grant, Syracuse University. **\$30,000** (with M. Silverstein, B. Kmush, A.Owora, & B. Walia).

2018, Co-PI. *A Logistic Regression Analysis of Reported Concussion Risk among NCAA FBS Football Players*, Falk College Sport and Human Development Institute Grant. Syracuse University. **\$5,000** (with B. Kmush (PI), A.Owora, & B. Walia).

2017, Co-PI. *Correlates of Longevity among former NFL Players*. Falk College. Syracuse University. **\$7,500** (with B. Kmush (PI), A.Owora, & B. Walia).

2017, Co-PI. *Moderating Effects of Physiological and Socio-behavioral Characteristics on the SU Football Team Injuries and Performance: A Pilot Cohort Study*. Falk College. Syracuse University. **\$5,000** with A.Owora (PI), B. Kmush & B. Walia).

2017. PI. *Correlates of Longevity among former NCAA Football Players*, Falk College Sport and Human Development Institute Grant. Syracuse University. **\$5,000**. with B. Walia, B. Kmush, A.Owora).

Referee Experience

Journal of the Royal Statistical Society, Series A
Journal of Applied Econometrics
Journal of Quantitative Analysis in Sport
Journal of Sports Economics
Sport, Business and Management: An International Journal
Journal of Conflict Resolution
European Journal of Political Economy
Public Choice
Conflict Management & Peace Science
Defence and Peace Economics
B.E. Journal of Economic Analysis & Policy
Economics Letters
Journal of Institutional and Theoretical Economics
Applied Economics
Applied Economics Letters
Sustainable Cities and Society
Managerial and Decision Economics
Managerial Finance
Southern Economic Journal
Journal of Economics and Finance
Academy of Economics and Finance Journal
Review of Network Economics
Perspectives on Economic Education Research
Southern Business & Economic Journal

Teaching Experience

Research Methodology for Sport Analytics
Research Methodology for Sport Management Sport Data
Analysis II
Sports Economics I
Sports Economics II
Analyzing the Basketball Organization
Game Theory (M.A.-level and undergraduate level)
Mathematical Economics (M.A.-level)
Principles of Microeconomics
Principles of Macroeconomics
Intermediate Microeconomics
Intermediate Macroeconomics
Managerial Economics
Applied Business Forecasting and Regression Analysis

Business and Economic Statistics I
Business and Economic Statistics II
MBA Statistics I
Elements of Statistics (for humanities)
International Trade
Survey of Economic Principles

Independent Studies Offered

Economics of Contest
Social Choice Theory
Computational Social Choice
Public Choice Economics
Behavioral and Experimental Economics
Topics in Game Theory
Legislative Studies

Recent (Non-Editorial) Institutional & Professional Service

Syracuse U. Research Equipment Task Force, 2018- .
SU Falk College Research Equipment Committee, 2018- .
Founding Faculty Adviser, SU Sport Analytics Learning Community, 2017-present.
Syracuse U. Big Ideas: Big Data Committee, Falk College Member, 2017-2018.
Faculty Council Member, Falk College, Syracuse University, 2018.
Board of Trustees Member, Illinois Economics Association, 2014 - 2016.
Director, Research Seminar Series, WIU Department of Economics and Decision Sciences, 2013-2016.
Research Fellow Selection Committee, Academy of Economics & Finance, 2012 – 2016.

Student Publications/Co-Publications (in which I advised or collaborated):

Hyunseok Jung, Forthcoming at Journal of Business & Economic Statistics, 2020.
M. F. Raza, Public Choice, 2018.
Adam Winn, Mathematical Social Sciences, 2014.
Rajendra Dulal, Southern Business & Economic Journal, 2013.
Mantobaye Moundigbaye, Southern Business & Economic Journal, 2012.
Mantobaye Moundigbaye, Journal of Industrial Organization Education, 2012.
Christopher Boudreaux, Southern Business & Economic Journal, 2012.

Ph.D. Application Mentor to the following Economics M.A. Students

Jeremy Kettering, University of Rochester (Fellowship).

Nachiket Thakkar, Southern Illinois University (Assistantship).
Muhammad Azeem, University of Kansas (Assistantship & fellowship).
Mian Raza, Kansas State University (Assistantship).
Hared Mah, Southern Illinois University (Assistantship).
Olajide Sanusi, Southern Illinois University (Assistantship).
Rajendra Dulal, Wayne State University (Assistantship & Fellowship).
Benazir Basharat, Kansas State University (Assistantship).
Manaf Sellak, Kansas State University (Assistantship).
Nuwan Millagaha, Kansas State University (Assistantship).
Christopher Boudreaux, Florida State University (Assistantship).
Kiran Ayub, Kansas State University (Assistantship).
Daniel Kane, Kansas State University (Assistantship).
Christopher Barenz, Kansas State University (Assistantship).

Invited Talks

UMass Amherst Sport Management Department, 2018.
PARCC, Maxwell School, Syracuse University, 2018.
SABR Analytics Conference, Phoenix, AZ, 2017.
School of Engineering, Syracuse University, 2017.
Stony Brook Center for Game Theory, International Conference on Game Theory, Conflict Sessions: 2014, 2017
Western Illinois University Mathematics Colloquim, 2015.
University of Florida, Department of Urban and Regional Planning Seminar, 2014.
Illinois State University Department of Economics Seminar, 2014.
Institute for Human Development, Delhi India, 2011.
University of Texas Pan American Departmental Seminar Series, 2010.
Institute for Human Development, Delhi, India, 2010.

Honors and Awards

Excellence in Multicultural Teaching, College of Business and Technology, Western Illinois University, 2013.
Excellence in Research/Scholarly Activities, College of Business and Technology, Western Illinois University, 2012.
Full Member of Graduate Faculty, WIU, 2013-2016.
Excellence in Research Award, Nicholls State University, 2009.
Jarvin Emerson Award for outstanding research work by an economics doctoral student, Kansas State U., 2006.
Pass with Highest Distinction: Kansas State University Microeconomic Theory Qualifying Exam, 2005.
Phi Beta Kappa induction, 2002.

Indiana University Honors Division (now "College") Student, Indiana University, 1998-2002.
Harold E. Strow Award for undergraduate scholarship in economics Indiana University, 2002.
Moffat Book Award for undergraduate scholarship in economics, Indiana University, 2001.

Professional Affiliations

North American Association of Sports Economists
Society for Social Choice & Welfare
Stony Brook Center for Game Theory