



Accreditation/ Education

Touro University International (formerly a branch campus of Touro College), Ph.D. in Business Administration. Dissertation title "Diversification and National Culture: Relationships and Implications, as Mediated by Corporate Debt." Dissertation was a highly quantitative examination of the relationships between these three factors.

Temple University, Fox School of Business, Philadelphia, PA, Master of Science in statistics degree. May 2000.

Drexel University, Philadelphia PA, MBA degree, March 1998. Concentrations in quality science and accounting.

Ursinus College, Collegeville, PA, BS applied mathematics/economics, May 1995, summa cum laude. Minors in statistics and accounting.

Society of Actuaries Examination 100, Calculus and Linear Algebra, 1992.

Skills in Excel, Minitab, Microsoft Office, R (programming language), Statistical Analysis System (SAS), and SPSS.

Ryan Savitz, Ph.D., MS, M.B.A. Senior Economist/Statistician

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Ryan Savitz has over 20 years of experience as a college professor, teaching subjects including statistics and economics. Ryan has published dozens of scholarly articles and presented his work in national and international forums. His research focuses on the use of statistics and other quantitative methods to solve problems and answer questions in fields as diverse as labor economics, professional sports, and climatology.

Ryan graduated from Ursinus college, summa cum laude, with a degree in applied math and economics. Following that, he earned an M.B.A., with concentrations in accounting and quality science, from Drexel University; an MS in statistics from Temple University, and a Ph.D. in business administration from Touro University International.

Professional Organizations & Affiliations

- Member of the Mathematical Association of America (MAA).
- Communications Officer for the Math and Sports Special Interest Group of the MAA. (2022-present).
- Member of the American Statistical Association (ASA).
- Member of International Christian Statisticians
- Senior Member of the American Society for Quality (ASQ).
- Villanova area contact person for the ASQ.

Awards and Honors

At Neumann University

- Excellence in Scholarship Award, 2024
- Excellence in Teaching Award, 2023
- Professor Recognition Award, 2018, 2023.
- Growth in Scholarship Award, 2017.
- Nominated for the Neumann College Excellence in Teaching Award, 2003, 2004, 2005, 2006, 2008, 2009, 2011, 2012, 2013, 2014, 2022, 2023.
- Recognized at Faculty Appreciation Day, 2005.
- Inducted into Honor Society for Catholic Colleges and Universities, 2002.

Awards and Honors (cont'd)

At Temple University

- Temple University Award for Excellence in Teaching, 2001.
- Temple University Award for Excellence in Teaching by a Graduate Student, 2000.
- Ellis R. Ott Scholarship, 1999.
- University Fellowship, 1998.

At Drexel University

- Beta Gamma Sigma, National Business Honor Society.

At Ursinus College

- Kichline Award (granted to the outstanding senior athlete), 1995.
- Who's Who Among Students in American Colleges and Universities, 1994.
- Phi Beta Kappa, 1994.
- National Dean's List, 1994.
- Cub and Key Society Award for leadership, scholarship, and service, 1994.
- Omicron Delta Epsilon (national economics honor society), 1994.
- Kappa Mu Epsilon (national mathematics honor society), 1993, treasurer 1994-5.
- NCAA Division III Cross-Country Academic All-America Team, 1992 and 1994.

Publications

- Shire, E., Savitz, R., & Savitz, F. (2024, Spring). An investigation of the determinants of middle school math student motivation and success. *Journal of Multidisciplinary Research* (in press).
- DiDonato, O., & Savitz, R. (2024). The implementation and application of statistics in Shotokan Karate. *Journal of Math and Sport*, 6(1).
- Ramunno, M., & Savitz, R. (2023). COVID-19 vaccination and decreased death rates: A county-level study in Pennsylvania. *Journal of Medical Virology*, 95(7), e28883.
- DiMarco, D., Savitz, R. An Examination of Sexual Coercion Perpetrated by Women. *Sexuality & Culture* (2023). <https://doi.org/10.1007/s12119-023-10102-1>
- DiMarco, D., McDonough, C., & Savitz, R. (2023). Rates of male sexual coercion: Comparison with female rates, and comparison between sexual orientations. *Sexuality & Culture*, 1-14. <https://doi.org/10.1007/s12119-023-10157-0>
- Savitz, R., & Savitz, F. (2023). Unraveling the mystique of mathematics for first year students. *Journal of Multidisciplinary Research*, 15(2).
- McMonagle, R. J., & Savitz, R. (2022). Active Learning: Beyond Structured Debates in Political Science Pedagogy. *Journal of Political Science Education*, 1-16. <https://doi.org/10.1080/15512169.2022.2132164>.
- Savitz, R., & Reily, V. "The Limits of Franciscanism", *Franciscan Connections* (27 August 2022); <https://www.franciscanconnections.com/blog.php?bid=324>
- DiMarco, D. & Savitz, R. (2022). A simple introduction to partial differential equations. *Journal of Multidisciplinary Research*, Vol. 14, No. 2, Fall 2022, 77–81.
- DiDonato, O., & Savitz, R. (2021, August). The Implementation and Application of Statistics in Shotokan Karate. In *Proceedings of the joint statistical meetings* (pp. 1381-1388).
- DiMarco, D., Mizzoni, J., & Savitz, R. (2021). On the Sexual Assault of Men. *Sexuality and Culture*. <http://dx.doi.org/10.1007/s12119-021-09901-1>

Publications (cont'd)

- DiMarco, D., & Savitz, R. (2020). How a river's length and discharge relate to the precipitation in its basin. *Sustainable Water Resources Management*, 6(6), 1-5.
- Savitz, R., Savitz, F., and DelleMonache, L. (2020). Education, leadership, and team chaplaincy: why embracing "the middle" is at the heart of Catholic Franciscan higher education. *Franciscan Connections: The Cord -- a Spiritual Review*. 70(3), 17-20.
- Savitz, R., Savitz, F., DiMarco, D., & Hollingsworth, B. (2020). The M-tile Means as a Statistics Project and Pedagogical Aid. *PRIMUS*, 30(3), 307-315.
- Savitz, R., & Stewart, M. C. (2019). College Athletes & Trash-talking on Twitter. *American Communication Journal*, 21(2).
- DiMarco, D. and Savitz, R. (2019, August). Math Races and Jeopardy Games. In *Proceedings of the joint statistical meetings* (pp. 1435-1436).
- Savitz, R., Cooney, H., McQueen, M. (2019, August). An Analysis of Weak Goals as an Additional Tool for Evaluating Ice Hockey Goalies. In *Proceedings of the joint statistical meetings* (pp. 1186-1193).
- Savitz, R. (2019). Assessment: a Franciscan approach. *AFCU Journal*, 15(1).
- Savitz, R., and Gavrilitea, M. (2019). "Climate Change and Insurance," *Transformations in Business and Economics*, 17(3).
- Cadorette, J., Savitz, R., & Cockerill, K. (2018). Good and bad news: Climate science affirmation and cable news coverage. *Environmental Practice*, 20(4), 104-111.
- Hanson, P., Savitz, F., Savitz, R., and Rauscher, M. (2018). Adjunct professors' perceptions of their teaching effectiveness. *International Journal of Teaching and Learning in Higher Education*. 30(3), 423-432.
- Savitz R., and Iannucci, K. (2017). "The Value Added of Specific Long Range Temperature Forecasts." *Journal of International Business and Economics*, 17(1).
- Savitz, R., Shackman, J., and Fitzgerald, S. (2016). The Impact of National Culture on Corporate Diversification. *International Journal of Business and Globalisation*, 17(2), 243-262.
- DiMarco, D., Hollingsworth, B., and Savitz, R. "Stability: A New Way to Compare Statistical Measures," (2016). *International Journal of Business Strategy*, 16(1), 27-32.
- Savitz, R., and Gavrilitea, M. (2015). The Influence of Climate Change on the Insurance/Reinsurance Industry. *Proceedings of the International Conference on Environmental Engineering and Management*, 8(1).
- DiMarco, D., Hollingsworth, B., and Savitz, R. (2015). "On Resistant Versions of the Standard Score", *European Journal of Management*, 15 (1), pp. 7-16.
- Savitz, R. (2014). The Economic Implications of Climate Change: Changes in Central Tendency and Variability." *European Journal of Business Research*, 14(3), 23-28.
- DiMarco, D., Hollingsworth, B., and Savitz, R. (2013). "The M-tile Deviation: A New Class of Measures of Dispersion", *International Journal of Business Research*, 13(4), pp. 117-124.
- Moran, S., and Savitz, R. (2013). The Relationship between Internet Usage and Newspaper Circulation. *International Journal of Business Strategy*, 13(3), 33-38.
- DiMarco, D., Hollingsworth, B., and Savitz, R. (2012). "The M-tile Means; A new Class of Measures of Central Tendency: Theory and Applications", *Journal of International Management Studies*, 12 (3), pp. 48-57.
- Jennifer Malcolm, DO, Chris Mehallo, DO, Ryan Savitz, PhD Menstrual Irregularities in High School Cross Country Runners. *Clinical Journal of Sport Medicine*. 2010 March; 20(2):165.
- Savitz, R., and Savitz, F. (2010). Experience Matters: Innovative Techniques Add up to Mathematical Achievement. *Problems, Resources, and Issues in Mathematics Undergraduate Studies*, 20(6), 517-528.
- Ugalde, E., and Savitz, R. (2010). The Relationship Between Unemployment and Economic Diversification," *The International Journal of Business Research*, 10(3), 182-189.
- Savitz, F., and Savitz, R. (2009). Mathematics: When Hospitality, Courtesy, and Gratitude Enter the Equation," *The Journal of the Association of Franciscan Colleges and Universities*, Vol. 6, 52-65.
- "Representing the Future: M3 = Mathematics, Multiple Intelligence Theory, and Multicultural Education," in the Education Resources Information Center online database, April 2007.

Publications (cont'd)

- “A Constructivist Approach to Infusing Learning Domain and Multiple Intelligence Theories into Mathematics Instruction,” 2006 Journal of Learning.
- Savitz Ryan (2006) Corporate diversification and national culture: Relationships and implications, as mediated by corporate debt. Ph.D. dissertation, Touro University International, United States -- California. (Publication No. AAT 3268569).
- “Teaching Underrepresented Populations in First Year Mathematics Courses,” 2005 International Journal of Diversity.

Presentations/Lectures

- Presented paper “Super Shoes: How super are they?” at Midwest Sports Analytics Meeting, with Andrew Bjorkelo, Bo Waggoner, and Jared Ward, November 2023.
- Building a student STEM community: Findings across 3 years of intentional support structures. With Louise Whitelaw, Matthew Mastropaolo, and Sarah Burke. Presented at PAC-TE Annual Conference, 10/25/23.
- Presented poster “Predicting the outcome of Shotokan karate matches” at Midwest Sports Analytics Meeting, with Oliver DiDonato, November 2023.
- Presented paper at Midwest Sports Analytics Meeting, with Christopher Greve, November 2023.
- Presented paper “Building a student STEM community : Findings across 3 years of intentional support structures,” with Louise Whitelaw at The Pennsylvania Association of College Teachers and Educators annual meeting, Harrisburg, PA. October 2023.
- Presented Paper “Promoting student motivation with inquiry based learning.” Mathfest, August 2023, Tampa Florida. Presented with Elizabeth Shire.
- Presented Paper “The implementation and application of statistics and artificial intelligence in Shotokan karate.” Mathfest, August 2023, Tampa Florida. Presented with Oliver DiDonato and Cindy Casey.
- Presented Paper “Predicting the expected whiff percentage in major league baseball.” Mathfest, August 2023, Tampa Florida. Presented with Christopher Greve.
- Presented paper “An approach to teaching partial differential equations,” with David DiMarco, at the Eastern PA and Delaware section of the Mathematical Association of America Meeting, Penn State Brandywine, April, 2023.
- Presented paper “Determining the outcome of Shotokan Karate matches,” with Oliver DiDonato at the Midwest Sports Analytics Meeting hosted by Central College, Pella, Iowa. 19 November 2022.
- Presented paper “The effect of supershoes on elite distance races,” with Andrew Bjorkelo at the Midwest Sports Analytics Meeting hosted by Central College, Pella, Iowa. 19 November 2022.
- Presented paper, “Determining the outcome of Shotokan Karate matches,” at Mathfest (the summer meeting of the Mathematical Association of America). Presented with O. DiDonato. August, 2022.
- Presented poster on the Determinants of Covid Spread in Pennsylvania at Mathfest (the summer meeting of the Mathematical Association of America). Presented with Maria Ramunno. August, 2022.
- Presented poster at American Society for Microbiology conference. Presented with Matthew Mastropaolo, Sarah Burke, and Louise Whitelaw. July, 2022.
- On the Sexual Assault of Men. Presented virtually, with Dr. David DiMarco, at The Global Conference on Women and Gender. (March 18th, 2022).
- Active Learning in Political Science: Measuring Learning Outcomes. Presented virtually, with Dr. Robert McMonagle, at The 79th Annual Midwest Political Science Conference. (April 8th, 2022).
- DiDonato, O., & Savitz, R. (2021, August). Presented paper “The Implementation and Application of Statistics in Shotokan Karate” at the Joint Statistical Meeting

Presentations/Lectures (cont'd)

- Invited lecture: Gave a talk on Super shoes: How super are they? with Olympic marathon runner Jared Ward at Villanova University, (April 28, 2021). This talk was statistical in nature. Part of a panel discussion on performance enhancement in sport.
- DiDonato, O., and Savitz, R. Predicting the Outcome of Shotokan Karate Matches. Presented at the virtual Midwest Sports Analytics Meeting, Central College, Pella Iowa. November 21, 2020.
- Savitz, R., Cooney, H., and McQueen, M. An Analysis of Weak Goals in Ice Hockey. Presented at the Joint Meeting of the American Statistical Association, Denver, CO. July, 2019.
- DiMarco, D., and Savitz, R. Math races and jeopardy games. Presented at the Joint Meeting of the American Statistical Association, Denver, CO. July, 2019.
- Savitz, R., Cooney, H., and McQueen, M. An Analysis of Weak Goals in Ice Hockey. Presented at the Midwest Sports Analytics Meeting, Pella, IA. November, 2018.
- DiMarco, D., and Savitz, R. Math races and jeopardy games. Presented at the Mathematical Association of America, New Jersey Section –spring 2018 conference at Rowan College in Mount Laurel, NJ. April, 2018.
- DiMarco, D., and Savitz, R. Math races and jeopardy games. Presented at Mathfest, the annual meeting of the Mathematical Association of America. Denver, CO. August, 2018.
- The relationships between state party leadership and economic performance: an empirical analysis. Presented at the spring meeting of The International Academy of Business and Economics. West Palm Beach, FL. March, 2018.
- 29 September 2017. Co-presented paper, “The m-tile means: an instructional tool for teaching introductory statistics. Presented with David DiMarco at Mathfest (the summer meeting of the Mathematical Association of America).
- 31 March 2017. Co-presented poster, “Adjunct Professors’ Use of Effective Teaching Principles,” at Neumann University’s Graduate Student Research Poster Session.
- 28 March 2017: Comparing the proportion of climate change affirmers within the scientific community and the popular media. The National Association of Environmental Professionals 2017 Annual Conference in Durham, NC.
- 8/6/2016. On Resistant Versions of the Standard Score. Presented with David DiMarco at Mathfest (the summer meeting of the Mathematical Association of America).
- March 2016. Stability – a new way to compare statistical measures. Presented at the International Academy of Business and Economics conference in Orlando, FL.
- September, 2015. The Influence of Climate Change on the Insurance/Reinsurance Industry. 8th Annual International Conference on Environmental Engineering and Management. Co-presented with Marius Dan Gavriltea. Iasi, Romania.
- 8/7/2015 With David DiMarco I gave a peer-reviewed presentation of a manuscript at the Mathematical Association of America Mathfest national conference at the Washington Marriott Wardman Park in Washington, DC. The talk was titled “Stability - A New Way to Compare Statistical Measures: Theory and Applications for Assessing Learner Achievement and Teaching Effectiveness”.
- 4/11/15 With David DiMarco, I gave a peer-reviewed presentation of a manuscript at the Mathematical Association of America, New Jersey Section – Spring 2015 Conference at Monmouth University, West Long Branch, NJ. The talk was titled “On Resistant Versions of the Standard Score”.
- 11/1/14 With David DiMarco, I gave a peer-reviewed presentation at the Mathematical Association of America New Jersey Section – Fall 2014 Conference at St. Peter’s University, Jersey City, NJ. The talk was titled “Stability – A New Way to Compare Statistical”.
- October, 2014. The Economic Implications of Climate Change: Changes in Central Tendency and Variability. 2014 Annual Meeting of The International Academy of Business and Economics, Las Vegas, NV.

Presentations/Lectures (cont'd)

- 8/7/2014 With David DiMarco, I gave a peer-reviewed presentation of a manuscript at the Mathematical Association of America Mathfest national conference at the Hilton Hotel in Portland, Oregon. The talk was titled “The M-tile Deviation, A New Class of Measures of Dispersion: Assessing Learner Achievement”.
- 4/5/14 With David DiMarco, I gave a peer-reviewed presentation of a manuscript at the Mathematical Association of America, New Jersey Section – Spring 2014 Conference at Rowan University. The talk was titled “The M-tile Deviation: A New Class of Measures of Dispersion”.
- 10/21/13 With David DiMarco and Fred Savitz, presented the “assessment version” of “The M-tile Means, A New Class of Measures of Central Tendency” at the Neumann University Convivium.
- October, 2013. The Relationship Between Internet Usage and Newspaper Circulation. Co-presented with Stephen Moran. 2013 Annual Meeting of The International Academy of Business and Economics, Las Vegas, NV.
- 8/1/2013 With David DiMarco, I gave a peer-reviewed presentation of a manuscript at the Mathematical Association of America Mathfest national conference at the Hartford Convention Center in Hartford, Connecticut. The talk was titled “The M-tile Means, A New Class of Measures of Central Tendency”.
- 4/13/2013 With David DiMarco, I gave a peer-reviewed presentation of a manuscript at the Mathematical Association of America, New Jersey Section – Spring 2013 Conference at Felician College. The talk was titled “The M-Tile Means, A New Class of Measures of Central Tendency: Theory and Applications”.
- 10/15/2012 With David DiMarco, I gave a peer-reviewed presentation of a manuscript at the International Academy of Business and Economics 2012 Annual Conference at Las Vegas. The talk was titled “The M-tile Means; A new Class of Measures of Central Tendency: Theory and Applications”.
- October, 2011. Getting to the Core of it: Innovative Teaching Approaches to Mathematics and Science Prerequisites for Business Majors. Co-presented with Amy Brown-Savitz and Fred Savitz. 2011 Annual Meeting of The International Academy of Business and Economics, Las Vegas, NV.
- October, 2011. The Determinants of International Monetary Fund Lending: GDP and Country Type. Co-presented with Esteban Ugalde. 2011 Annual Meeting of The International Academy of Business and Economics, Las Vegas, NV.
- October, 2010. The Relationship between Economic Diversification and Unemployment. 2010 Annual Meeting of The International Academy of Business and Economics, Las Vegas, NV.
- October, 2009. Care for the Environment at a Liberal Arts College: A Case Study. 2009 Annual Meeting of The International Academy of Business and Economics, Las Vegas, NV.
- October, 2008. Instructional Best Practices in First Year College Mathematics Courses for Business Majors. 2008 Annual Meeting of The International Academy of Business and Economics, Las Vegas, NV.
- October, 2007. Presented “Exploring Horizons: M3 = Mathematics, Multiple Intelligence Theory, and Multicultural Education,” The National Council for Teachers of Mathematics Mid-Atlantic Regional Conference.
- October, 2007. Presented “The Impact of National Culture on Corporate Diversification,” The Academy of Management Annual Meeting.
- March, 2007. Co-presented “Representing the Future: M3 = Mathematics, Multiple Intelligence Theory, and Multicultural Education,” The National Council for Teachers of Mathematics National Conference.
- October, 2006. Co-presented “M3 = Mathematics, Multiple Intelligence Theory, and Multicultural Education,” The Houghton-Mifflin Fall Energizer Conference.



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Presentations/Lectures (cont'd)

- May, 2006. Co-presented "Corporate Diversification and National Culture" at The European Academy of Management's Annual Meeting.
- April, 2006. Co-presented "Menstrual Irregularities in High School Cross Country Runners" at American Osteopathic Academy of Sports Medicine annual meeting in.
- July, 2005. Co-presented "A Constructivist Approach to Infusing Learning Domain and Multiple Intelligence Theories into Mathematics Instruction," 12th International Conference on Learning.
- July, 2004. Co-presented "Teaching Underrepresented Populations in First Year Mathematics Courses," 4th International Conference on Diversity in Organisations, Communities, and Nations.

Community Service

Council member and volunteer at Christ Lutheran Church, Upper Darby, PA
Volunteer at Upper Darby Food Bank

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