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WELCOME

Aim

The aim of the Rock Research Expo (RRE) is to serve as a newsletter that keeps our campus informed of the scholarly endeavors and potential research opportunities for both faculty members and students.

Specifically, RRE:

- Shares new knowledge of different disciplines on campus
- Provokes students' interests and curiosity in knowledge exploration
- Promotes long term academic communication and collaboration on campus, and most importantly
- Develops a success-driven environment of learning for faculty members and students

The Scope of RRE includes:

- Recent publications of faculty members and students (title, authors, and optional abstract)
- Recent research projects and grant acquisitions (title, authors, brief description)
- Recent conference presentations, performances, and exhibitions of faculty members and students
- Announcements of research related activities

The Policies of RRE are:

- Anyone can submit his or her information via email. Student submissions need to have a supporting letter or email from a faculty member
- The basic submission standards for the newsletter will be that the submitted material be legible, pertinent, and appropriate to present to the campus community
- Authors are responsible for the accuracy of their submissions. Newsletter editors and SRU will NOT be responsible for the verification of the submitted information

Contact Information:

rockresearchexpo@sruc.edu

Messages from the Provost

It is always impressive (and a little humbling) to see all of the outstanding scholarship being conducted by SRU faculty. While maintaining a primary emphasis on teaching, our faculty are putting additional efforts into their research and creative endeavors. These efforts benefit our students in multiple ways: enriching the classroom experience through deepened disciplinary expertise; maintaining faculty's currency in their field; and, in many cases, providing opportunities for students themselves to engage in the scholarly process.

I hope this publication will provide you with a window into the range and depth of work being conducted at Slippery Rock, and that it will lead to new opportunities for scholarly engagement and collaboration.

Michael Zieg
Interim Provost and Vice President for Academic
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FEATURE STORY

Annual Cyber Security Fair

Each fall since 2014, the students in the MIS 301 Practical Computer Security class present a Cyber Security Fair. The fair is held in October to coincide with National Cybersecurity Awareness Month, serves as an opportunity to increase awareness about cybersecurity within everyday activities while giving students from SRU's corporate security, homeland security, computing and other technological areas of study the chance to share what they have been learning in the classroom.

Stephen Larson, an associate professor of business, is the instructor for the Practical Computer Security class and said the main goal of the cybersecurity fair is to raise awareness levels on campus. Larson said the fair promotes cyber safety to the students, faculty, and anyone else reached by the information presented at the fair. Aside from that, this fair will also give students a service learning opportunity and gives Rock Productions, SRU's student-run Public Relations firm, a team project to complete.



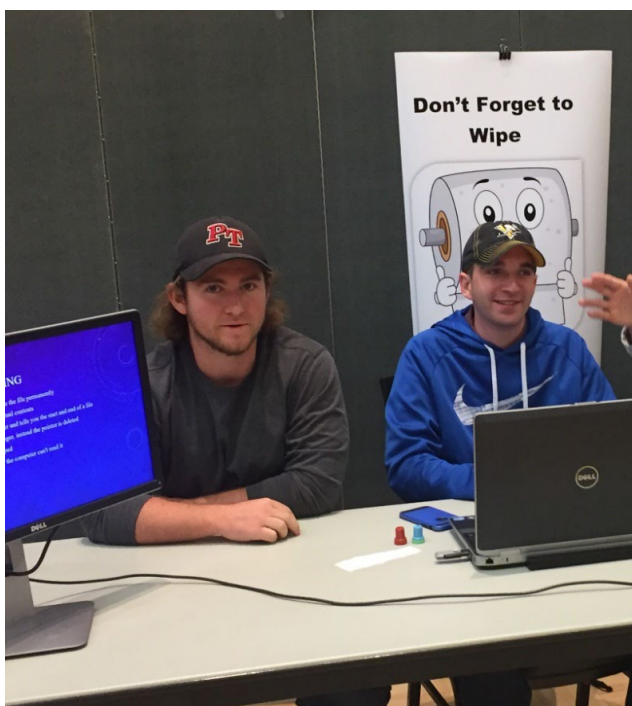
Topics presented at the fair include:

- Creating strong passwords – attendees learn how to make a strong password that is difficult to guess but easy for them to remember.
- Safe browsing – attendees learn how to recognize unsafe web sites, and how to configure security settings on their browser.
- Smartphone security – attendees learn how to configure security settings on their smart phone.
- Social networking and social media security – attendees learn how to set privacy settings on their social media accounts.
- Home wifi security – attendees learn how to configure the security settings on their home wifi router.
- Internet privacy – attendees learn how to keep their personally identifiable information (PII) private on the internet.
- How to backup safely delete data – attendees learn how to safely delete (wipe) data from their computers.
- How to recognize malware – attendees learn how to recognize and delete malware from their computers.
- How to recognize phishing emails and web sites – attendees learn how to recognize clues that an email message or web site is a phishing site that is trying to trick you into giving them PII data.
- Public wifi security – attendees learn how to safely use a public wifi router to access the internet.
- USB safety – attendees learn not to use USB sticks they have found or are given, and how to encrypt the



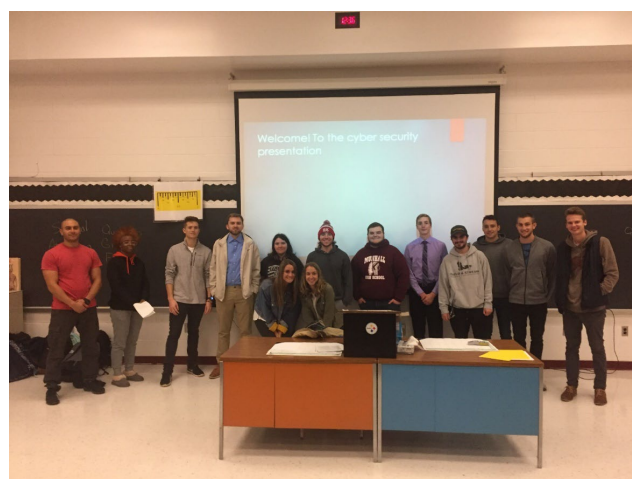
data on their personal USB storage device.

- Data encryption – attendees learn how to encrypt data on their PCs.
- Chromebook security – attendees learn how to configure Chromebook security settings.
- Ransomware – attendees learn how to avoid ransomware and what to do to eradicate it from their PCs.
- Etc.



In the past the fair has hosted third-party presenters in the past, such as Best Buy's Geek Squad, the Better Business Bureau, PNC Bank, who presented about safe online banking, the New York Times, who brought virtual reality goggles, and a Computer and Phone repair vendor. The fair provides a great introduction to cyber security, and attendees learn practical things they can do to keep digitally safe. Several faculty members send their students to the fair for the learning opportunity and for a chance for bonus points in their class.

The students also visit the nearby Slippery Rock Middle School and present the cyber security awareness topics to middle school students:



Coverage of past Cyber Security Fairs can be found in the SRU news archives.

RECENT PUBLICATIONS

Abbs, K. (Department of Social Work) (2022).

Supporting Foster Parents and Children. *Social Work Today*. E-Newsletter.

<https://www.socialworktoday.com/enewsletter/2022/deceember/>

Brief Intro:

Article provides details about the challenges faced by foster parents and children and information on how to offer increased support to meet both of their needs across the micro, macro and mezzo levels.

Abbs, K. (Department of Social Work) (2023).

Developmental Disabilities: Caring for a Developmentally Challenged Child. *Social Work Today*. 23(1), 8.

<https://www.socialworktoday.com/archive/Winter23p8.shtml>

Brief Intro:

Article provides detailed information about the challenges faced by parents raising children with developmental disabilities and how social workers and other professionals can assist and provide them with support.

Bui, T. (Department of Accounting, Economics and Finance) (2022). Corporate Blockholders and Financial Leverage. *The Financial Review*, 57 (3), 559-583.

Abstract:

This research investigates the relationship between corporate blockholders and firm financial leverage. Corporate blockholders – nonfinancial firms who hold more than five percent equity in another company – can affect firm policies through their business relationships, monitoring, or expropriations. I find that corporate block ownership is negatively related to the target firm's leverage.

Bui, T. (Department of Accounting, Economics and Finance) (2022). The Determinants and Evolution of Ownership Structure: Evidence from Spinoffs. *Journal of Business, Economics and Technology*, 25(1), 10-27.

Abstract:

This paper examines the determinants of ownership structure from a sample of corporate spinoffs. Spinoffs offer a valuable empirical design to study corporate ownership because parent and spun-off firm has an identical ownership structure from pro-rata distribution of shares right after spinoffs. By tracking the evolution of ownership structures for spinoffs and their parent firms over a period of 10 years, this study demonstrates that firms adjust their ownership structures over time to fit their firm characteristics.

Bunce, L. T., & Boerger, E. A. (Department of Psychology) (2022) Openness to experience mediates the relation between fantasy proneness and creativity.

Imagination, Cognition, and Personality, advance online publication, 1-23.

<https://journals.sagepub.com/doi/full/10.1177/02762366221120214>

Abstract:

Fantasy proneness has recently been related to creative thinking. To try and explain this link, we examined whether the relation was mediated by Openness to Experience (openness) because fantasy proneness and openness involve an imaginative thinking style. Study 1 assessed fantasy proneness (Creative Experiences Questionnaire), openness, and creative (divergent) thinking in 87 undergraduates (77% women, mean age 20 years). Study 2 replicated the method with museum visitors of similar age (58% women, mean age 23 years). Our hypotheses received partial support: although fantasy proneness did not directly predict creativity in either study, bivariate correlations in both studies revealed that fantasy proneness positively predicted openness, and openness positively predicted creativity. In addition, openness mediated the relation between fantasy proneness and creativity, but only in Study 2. These findings reveal potentially useful relations between

fantasy proneness, openness, and creativity, and show that findings from student populations are not necessarily generalizable. (Keywords: fantasy proneness, openness, divergent thinking, creativity)

Chen-Gaffey, A., & Getsay, H. (Library Department) (2022). Understanding COUNTER 5 metrics in context: A case study on e-book vendor usage reports. *Journal of Electronic Resources Librarianship*, 34(3), 208-218.
<https://doi.org/10.1080/1941126x.2022.2099011>

Coil, M. & Kemeny, B. (Department of Recreational Therapy) (2023). Comparative effectiveness of recreational therapy using canine or equine assisted interventions for older adults with dementia. *American Journal of Recreation Therapy*.

Colvin, A. (Department of Philosophy) (2021, June). On the Relevance of Transcendence in Understanding Chinese Thought: A Response to Wang-Shik Jang. *International Communication of Chinese Culture* (Special Edition on *Transcendence in Chinese Philosophy*, edited by Yuan Jinmei and Andrew Colvin.), 8(2).

Covey, W. (Department of Languages, Literatures, Cultures, and Writing) (2022, September). Dark Matter: Independent Filmmaking in the 21st Century, by Michael Winterbottom. British Film Institute, 2021. *Historical Journal of Film, Radio, and Television*, 42(3), 614-616. (Book Review)

Crabtree, S. & Leh, S. (Department of Nursing) (December 2022). A community medical center data-driven staffing model: A quality improvement project. *Nursing Economic\$, 40(6)*, 278-288.

Abstract:

A high correlation exists between nurse staffing and clinical outcomes safety. If nurse staffing is not addressed, it can lead to nurse burnout, high registered nurse (RN) turnover rates, low employee engagement, and poor patient satisfaction and outcomes (American Nurses Association, 2019). Staffing to “averages” of

hours-per-patient-day (HPPD), census, and acuity creates under- and over-staffing situations more times than not. When there is no shift standardization and Family Medical Leave Acts (FMLA), vacation and sick time is not built into the current staffing model, it only exacerbates the staffing situation. Nurses at all levels within a health care system must have a substantive role in staffing decisions (American Nurses Association, 2019). Data has led to the conclusion that there needs to be a redesign of work and staffing practices to better meet the needs of the changing nurse workforce. The data-driven nurse staffing project is a transformational approach that meets patients and staff’s needs by using predictive analytics and real data to create an ideal staffing model.

DeVries, D. & Kemeny, B. (Department of Recreational Therapy) (2023). COVID-19 and geriatric recreational therapy practice. *Therapeutic Recreation Journal*, LVII(1), 13-45.

Dick, N., Bui, T. (Department of Accounting, Economics and Finance), Brahm, N., Melincavage, S., Li, Y., Wang, X. (Department of Accounting, Economics and Finance), Xu, L. (Department of Management and Marketing), and Asher, A. (Department of Mathematics and Statistics) (2022). A Transformative Approach to Collaborative Learning for Higher Education. *The International Journal of Learning in Higher Education*, 29 (2), 189-205.

Abstract:

Learning outcomes sought through collaborative practices are well-studied and include improvements in student academic skills and achievement. Based on the large body of research that supports this claim, higher education faculty may seek to develop collaborative learning practices for their courses.

However, this can be a challenge when a clearly defined theoretical process for transforming a traditional pedagogical approach into one that is collaborative is missing. This paper seeks to address this gap and provide practical guidance through a comprehensive approach

that systematically transforms siloed learning into collaborative learning. This approach identifies three key attributes and four key competencies that transform a fragmented team of individual learners into an interdependent, self-sustaining collaborative team. A theoretical model for the process is provided, which demonstrates how this transformation occurs.

Dicus, J.R. (Department of Exercise Science and Athletic Training), Ellestad, S.H., Sheaffer, J.E., Weber, C.A., Novak, N.C., & Holmstrup, M.E. (Department of Exercise Science and Athletic Training) (2023). A comparison of muscle recruitment across three straight-legged, hinge-pattern resistance training exercises. *International Journal of Exercise Science*. 16(4): 12-22.

Abstract:

Hinge exercises are critical to building a balanced resistance training program in concert with 'knee-dominant' (e.g., squat, lunge) exercises. Biomechanical differences between various straight-legged hinge (SLH) exercises may alter muscle activation. For example, a Romanian deadlift (RDL) is a closed-chain SLH, while a reverse hyperextension (RH) is open-chain. Likewise, the RDL offers resistance via gravity while the cable pull-through (CP) offers redirected-resistance through a pulley. A deeper understanding of the potential impact of these biomechanical differences between these exercises may improve their application to specific goals. Participants completed repetition-maximum (RM) testing on the RDL, RH, and CP. On a follow-up visit, surface electromyography of the longissimus, multifidus, gluteus maximus, semitendinosus, and biceps femoris, muscles that contribute to lumbar/hip extension, was recorded. After a warm-up, participants completed maximal voluntary isometric contractions (MVICs) in each muscle. They then completed five repetitions of the RDL, RH, and CP at 50% of estimated one RM. Testing order was randomized. A one-way, repeated-measures ANOVA test was used in each muscle to compare activation (%MVIC) across the three exercises. Shifting from a gravity- (RDL) to a redirected-resistance (CP) SLH significantly

decreased activation in the longissimus (-11.0%), multifidus (-14.1%), biceps femoris (-13.1%), and semitendinosus (-6.8%). Alternately, changing from a closed- (RDL) to an open-chain (RH) SLH significantly increased activation in the gluteus maximus (+19.5%), biceps femoris (+27.9%), and semitendinosus (+18.2%). Alterations in the execution of a SLH can change muscle activation in lumbar/hip extensors.

Emekter, R., Jirasakuldech, B. (Department of Accounting, Economics, and Finance), & Beaves, R. (2022). Efficient Asset Allocation for Individual Investors in the ETF World? *Financial Research Planning Journal*, 8(1), 79-98.

Abstract:

Research has shown that investment success is largely driven by asset allocation. With the dramatic growth in number of exchange-traded funds (ETFs), individual investors have gained access to a wide variety of funds including funds representing non-traditional asset classes. This proliferation of ETFs allows investors to take advantage of high return alternatives while maintaining an asset allocation that is well diversified. This paper explores the potential for creating efficient portfolios using ETFs exclusively. We use price data from 2007 to 2017 for thirty-four ETFs to demonstrate that a portfolio of ETFs based on an average optimal weight allocation has a higher Sharpe ratio than 85 percent of the ETFs studied. Constructing efficient portfolios based on the average of optimized weights improves this portfolio's returns by 370 basis points and increases the Sharpe ratio significantly as compared with ex ante mean-variance optimization. We conclude that investors can benefit from using average optimized weights in building portfolios made up primarily of ETFs.

Forrest, J. YL. (Department of Accounting Economics Finance) (2022). A revisit to the prevalent producer theory with emphasis placed on firms' individualism. *Advances in Systems Science and Applications*, 2022(3), 147-167.

Abstract:

As time elapses, an increasing number of theorists and practitioners expressed the urgent need for the community of economists to rebuild economic theories so that derived conclusions would be more readily applicable to real life. To answer this theoretically and practically important call, this paper attempts to reformulate some of the main conclusions of the producer theory so that firms are allowed to have their individually different criteria of optimality and methods of optimization, as the real-life business world dictates. To achieve this goal, on the basis of natural endowments of firms, this paper establishes a series of 7 generally true propositions, while it simultaneously examines how some of the presently well-known results hold true only conditionally. In the process of achieving this end, we generalize Hotelling's and Shepard's lemmas to much more relaxed scenarios than before. Because natural endowments are generally different from one firm to another, what is considered better is defined differently so that firms do not collectively produce a better society as a whole, even though each of them maximizes its self-interest. In other words, one of the main conclusions this paper derives formally is that the invisible hand, as proposed so convincingly by Adam Smith, is indeed not only invisible but also nonexistent in real life, unless a supernatural being is out there to tell what is better for everyone. In the conclusion, several open questions are listed for future research.

Forrest, J. YL. (Department of Accounting Economics Finance), Liu, S.F. (Nanjing University of Aeronautics and Astronautics, China), & Yang, Y.J. (De Montfort University, UK) (2022). *Grey Systems Analysis: Methods, Models and Applications*. Springer. ISBN-13: 978-9811961595; ISBN-10: 981196159X.

Preface:

In this book, we answer the calls of the readers of our previous publications and systematically present the main advances in grey system theory and applications. By following our readers' feedback and suggestions, this volume introduces the most recent research results and updates on what is presented in our earlier books. In

particular, the following content, which represents the authors' recent research, is highlighted in the book: general grey numbers and their operations, negative grey relational analysis models and grey relational analysis models based on similarity and closeness, three-dimensional grey relational analysis models, grey clustering evaluation models based on mixed possibility functions, original difference grey model (ODGM), even difference grey model (EDGM), discrete grey model (DGM), fractional grey models, self-memory grey models, multi-attribute intelligent grey target decision models, weight vector group with kernel and weighted comprehensive clustering coefficient vector. We also attach a software designed for grey system modelling, which was developed by Bo Zeng using Visual C#, the widely employed C/S software tool. This user-friendly software allows users to conveniently input and/or upload data and clearly distinguish module functions. Also, the software has the ability to present users with operational details, as well as periodic and partial results. Additionally, users can adjust the levels of computational accuracy based on their practical needs.

During the writing of this book, we prioritized theoretical simplicity and clarity to make it easy for the reader to follow the main arguments made. With a good number of practical applications, we intended to illustrate the methodology of grey system theory and modelling techniques so that we could emphasize the practical applicability of grey system thinking. We drew on the most recent research developments from various research groups around the world and tried to present the most complete picture of this new area of scientific endeavour in a concise manner.

The overall planning and organization of topics contained in this book were carried out by Sifeng Liu (Nanjing, China), who also authored Chaps. 1, 2, 4, 6, 10 and 12. Yingjie Yang (Leicester, UK) produced Chaps. 3, and 11, Jeffrey Forrest (Slippery Rock, USA) composed Chaps. 7 and 8, Naiming Xie (Nanjing, China) wrote Chap. 9, and the Appendix and the attached computer software were developed by Zeng Bo (Chongqing, China). Zhigeng Fang, Yaoguo Dang, Lirong Jian and Chunhua

Su and colleagues also worked with the authors to refine some of the book's content. Sifeng Liu was responsible for unifying the terms used throughout the book and for finalizing the manuscript.

Finally, we would like to encourage you to communicate with us and send us any comments you might have about this book. It is only by working together, as a team, that we can grow and mature as researchers. Sifeng Liu can be reached at sfliu@nuaa.edu.cn, Yingjie Yang can be reached at yyang@dmu.ac.uk, and Jeffrey Forrest at jeffrey.forrest@sru.edu or jeffrey.forrest@iigss.net.

Forrest, J. YL. (Department of Accounting Economics Finance), Han, H. (Baylor University), Gu, Q.N. (Ball State university), Li, D. (Maryland University), Wei, T. (Guangxi University, China), successfully launched a special issue, entitled "Data Science in FinTech," in the international journal Data (ISSN 2306-5729). This journal is indexed in Scopus and Web of Science with a CiteScore 4.8, is currently calling for paper submissions. For details, click: https://www.mdpi.com/journal/data/special_issues/4Y14T955T8#editors. Deadline for paper submission is October 10, 2023.

Forrest, J. YL. (Department of Accounting Economics Finance), Liu, Y. (Jiangnan University, China) successfully launched a special issue, entitled "Predictions and Decision-Making Methods in Environmental Sciences," in the International Journal of Environmental Science and Public Health, for details, click https://www.mdpi.com/journal/ijerph/special_issues/651PXTNPSW. This journal is indexed in Scopus and Web of Science and is currently calling for paper submissions. The deadline for paper submission is September 30, 2023.

Forrest, J. YL. (Department of Accounting Economics Finance), Li, Z. (Texas Woman's University), Haile, Y. (Penn State University, Erie), **Xu, L. (Department of Management and Marketing)** (2022). Mesarovic-Takahara Time Systems under the Effect of Feedback Mechanism. In: *Systems Research I: Essays in*

Honor of Yasuhiko Takahara on Systems Theory and Modelling, Springer, pp. 1-26; https://doi.org/10.1007/978-981-16-9937-5_1.

Abstract:

This chapter focuses on the study of Mesarovic-Takahara (MT) time systems and demonstrates how various properties of such systems are feedback invariant. In particular, after a brief introduction of the concepts of MT time systems and feedback systems, this work shows how these concepts play an important role in establishing the relationship between manufacturing and further industrial transformations. With such practical importance of feedback systems established, this presentation turns its focus to the theoretical study of various feedback invariant properties of MT systems. As an application, the concept of feedback systems is employed to explore when and how government economic policies can become effective in terms of assisting with and stimulating economic growth.

Forrest, J. YL. (Department of Accounting Economics Finance), Wu, K.P. (Tsinghua University, China), **Joo, B.K. (Department of Management and Marketing),** Yan, L. (Université du Québec en Outaouais, Canada), Isariyawongse, K. (Edinboro University) (2022). Scenarios not adequately addressed by economic theories. *Journal of Business, Economics and Technology*, 25(1), 56-67.

Abstract:

This paper illustrates by using examples how some key and useful real-life factors are not considered in theoretical studies of economics. It explains what differences these factors will make if one or several of them are looked at. A comparison with the development of mathematics and physics suggests why it is necessary for economists to identify elementary postulates (in the language of mathematics) and laws (in the language of Newtonian physics) at the level of the four human endowments (self-awareness, imagination, conscience, and free will) as the bases for developing the rest of the theory of economics. To demonstrate the potential of this proposal, this paper develops a theorem on when a firm

experiences organizational inefficiency. This work contributes to the literature by considering decision-making based on the most fundamental systems of values and beliefs of economic agents. By doing so, it will potentially help realize the goals of behavioral economics at the height of analytical analysis with greatly enhancing practical applicability.

Forrest, J. YL. (Department of Accounting Economics Finance) (2022), Wang, F. (Central Washington University), Raisinghani, M.S. (Texas Woman's University), Mora, M. (Autonomous University of Aguascalientes, Mexico) (2022). Effective decision support in the big data era: Optimize organizational performance. *International Journal of Decision Support System Technology*, 14(1), 1-16. DOI: 10.4018/IJDSST.286683.

Abstract:

This study conducts a review and synthesis of the Business Intelligence and Analytics (BI&A) evolution, applications, frameworks and emerging trends with the aim to provide a summary of core concepts, a succinct but valuable description of main applications and frameworks, and an account of main recommendations for addressing the Big Data challenges and opportunities. It develops an integrated and organized view on the BI&A evolution process and presents an integrated BI&A application framework to help organizations adopt or develop the appropriate BI&A solutions to derive the desired impact in the Big Data era. This paper also elicits a set of practical recommendations to executives and leaders in organizations worldwide for interpreting the BI&A literature and applying the rich body of knowledge for IT practitioners. It traces the BI&A evolution to data-driven discovery and highly proactive and creative decision-making utilizing advanced analytical techniques with unstructured and massive data sources to cope with a highly dynamic global business environment in the Big Data era.

Gu, F. Y., Yung, Y.-F., Cheung, M., **Joo, B.-K. (Department of Management and Marketing)**, & Nimon, K. (2022). Statistical inference in redundancy

analysis: A direct covariance structure modeling approach. *Multivariate Behavioral Research*.

<https://doi.org/10.1080/00273171.2022.2141675>

Hale, J.V. (Department of Counseling and Development/School Counseling Program) (2022). Ways to facilitate improvements within the educational community through the use of Choice Theory, Reality Therapy. *International Journal of Choice Theory and Reality Therapy: An On-Line Journal*, 32(1), 61-6.

Horne, L. R., Manzanares, A., Babin, N., Royse, E. A., Arakawa, L., Blavascunas, E., Doner, L., Druckenbrod, D., Fairchild, E., Jarchow, M., Muchnick, B., Panday, P., Perry, D., **Thomas, R. (Department of Parks and Conservation)**, Toomey, A., Tucker, B., Washington-Ottombre, C., Vincent, S., Anderson, S., & Romulo, C. (2023). Alignment among environmental programs in higher education: What Food-Energy-Water Nexus concepts are we covering in introductory courses? *Journal of Geoscience Education*.

Jenny, S. E. (Department of Exercise Science and Athletic Training) (2022, November). Track chair: Esports and education [Abstract]. Esports Research Network Conference 2022: *Book of Abstracts*, 152, Jönköping University, Jönköping, Sweden. https://esportsresearch.net/wp-content/uploads/2023/01/ERN22_Jonkoping_Book_of_Abstracts.pdf.

Jenny, S. E., (Department of Exercise Science and Athletic Training), Chung, J., & Krause, J. M. (2022). Sport Video Gaming Verses Direct Instruction: Examining Sport Knowledge and Future Sport Intention. *International Journal of Human Movement Science*, 16(2), 1-19. <https://doi.org/10.23949/ijhms.2022.08.16.2.1>.

Jenny, S. E. (Department of Exercise Science and Athletic Training), & Pastore, R. (2023). "A Bunch of Big Idiots Smack into Each Other" – A Mixed-Method Investigation of Learning Rugby through Video Gaming Compared to Traditional Instruction. *Entertainment*

Computing, 46(1), 100562.

<https://doi.org/10.1016/j.entcom.2023.100562>

Jirasakuldech, B. (Department of Accounting, Economics, and Finance), Emekter, R., & Bui, T. (Department of Accounting, Economics, and Finance) (2023). Nonlinear Structures, Chaos, and Bubbles in U.S. Regional Housing Markets. *Journal of Economics and Finance*, 47, 63-93. DOI: 10.1007/s12197-022-09598-4.

Abstract:

This study analyzes the nonlinear price pattern and its underlying source of nonlinearity for U.S. housing markets along with the plausible explanations of chaos and bubble-like characteristics during 1987 to 2019. The results from the BDS test show evidence of nonlinear dependence in overall U.S. housing markets along with home markets in twenty cities. The K-map Z-map analysis shows that nonlinear dependency in all cities is consistent with chaotic behavior. The nonlinear dependence is also substantiated with the use of Markov chain test where nonlinear housing pattern is due to the persistence of either positive or negative returns. Applying the duration dependence test on positive runs confirms that housing markets in all five regions experience some episodes of bubbles, except for housing markets in Detroit and Minneapolis in Midwest region. A time reversibility test further provides supporting evidence that the mechanism generating nonlinear dependence in housing markets in all four cities in Midwest regions comes from non-Gaussian innovations. Similar finding is reported in housing markets in other regions including Atlanta, Charlotte, Dallas, San Diego, and San Francisco, suggesting that a linear function with non-Gaussian error terms is appropriate for modelling these housing markets.

Jirasakuldech, B. (Department of Accounting, Economics and Finance), Emekter, R., & Bui, T. (Department of Accounting, Economics and Finance) (2022). Non-Linear Structures, Chaos, and Bubbles in U.S. Regional Housing Markets. *Journal of Economics and Finance*, 46(4), 30-61.

Abstract:

This study comprehensively analyzes the nonlinear price pattern and its underlying source of nonlinearity for aggregate U.S. house price along with the plausible explanations of chaos and bubble-like characteristics during 1987 to 2019. Furthermore, we extend our analysis of nonlinearity to housing markets in five census regions including Northeast, Midwest, Southeast, Southwest, and Western using housing data across 20 different cities. The results from the BDS test show evidence of nonlinear dependence in overall U.S. housing markets along with housing markets in twenty cities.

Joo, B.-K. (Department of Management and Marketing), Yim, J.-H., Jin, Y. S., & Han, S. J. (2022). Empowering leadership and employee creativity: The mediating roles of work engagement and knowledge sharing intention. *European Journal of Training and Development*.

<https://doi.org/10.1108/EJTD-02-2022-0016>

Joo, B.-K. (Department of Management and Marketing), Yoon, S. K., & Galbraith, D. (Department of Management and Marketing) (2023). The effects of organizational trust and empowering leadership on group conflict: Psychological safety as a mediator. *Organization Management Journal*. 20(1), 4-16.

<https://doi.org/10.1108/OMJ-07-2021-1308>

Katsiadass, N. (Department of Languages, Literatures, Cultures, and Writing) (2022). *Romanticism in Comics: Faith, Myth, and Mood*. RIT Press, 2022.

Abstract:

Comics studies scholars engaging comparative mythology tend to limit critical approaches to superhero fiction and classical and religious texts. Even the popular argument that superheroes are a “modern mythology” typically does not venture outside these limitations. J. R. R. Tolkien’s legendarium, H. P. Lovecraft’s mythos, Lord Alfred Tennyson’s revisions to Arthurian myth, and William Blake’s mythology don’t quite fit the creative models that prevailing criticism considers in comparative studies. Nick Katsiadass explores a greater literary history

of myth in comics in his examinations of Neil Gaiman's *Sandman*, Alan Moore and J. H. Williams III's *Promethea*, and Mike Carey and Peter Gross's *The Unwritten*. The Romantics particularly used myth to highlight ideas about the value of imagination and creativity, and Katsiadas traces how these ways of thinking about literature and the arts persisted up through twentieth- and twenty-first-century comics. In this way, *Romanticism in Comics* helps us better understand comics' greater literary history and, also, helps us reread and better situate Romanticism's legacy in twentieth- and twenty-first-century art forms and ways of life.

Here's a link to the publication if you'd like more information: <https://www.rit.edu/press/romanticism-comics?fbclid=IwAR041qHwSyQOOnY5-5iiqDVAN4HdJfWkyR-P97w-SfS3rrVVd6xG3lkk7M>

Kemeny, B. (Department of Recreational Therapy), Burk, S., Hutchins, D., & Gramlich, C. (2022). Therapeutic riding or mindfulness: Comparative effectiveness of two Recreational Therapy interventions for adolescents with autism. *Journal of Autism and Developmental Disorders*, 52, 2438–2462.

Kemeny, B. (Department of Recreational Therapy), McKissock, B., Hooker, T., & Gramlich, C. (2023). White Paper: The current role of Recreational Therapy in Equine assisted services. *American Therapeutic Recreation Association*.

Kochick, V. (Graduate School of Physical Therapy), Sinnott, A., Bricker, I., Eagle, S., Collins, M., Connaboy, C., & Kontos, A. (2022, February). Dynamic Exertion Testing (EXiT): An Assessment to Inform Return to Sport Readiness Following Sport-Related Concussion. *International Journal of Sports Physiology and Performance*.

Kovacs, I., Houk, T., Sileo, B. (Department of Physical and Health Education) (2022). Online Group Resistance Training Improves Beginners' Muscular Fitness.

Research Quarterly for Exercise and Sport, 93(Sup1), A-55. DOI: 10.1080/02701367.2022.2049687

Kovacs, I., Liu, W. (Department of Physical and Health Education) (2022). Physical Activity Involvement and Processes of Change among University Students. *Research Quarterly for Exercise and Sport*, 93(Sup1), A-56-A-57. DOI:10.1080/02701367.2022.2049687

Krause, J. M., & Jenny, S. E. (Department of Exercise Science and Athletic Training) (2023). Physical Educators' Exergaming Integration Behaviors, Attitudes, and Self-Efficacy Beliefs. *The Physical Educator*, 80(1), 91-107.

<https://doi.org/10.18666/TPE-2023-V80-I1-11057>

Kuehn, S. (Department of Criminology and Criminal Justice), Shay, T., & Pierre-Louis, A. (2023). Front Line Workers' Perceptions of Youth with Mental Health Issues at a Residential Treatment Facility. *Journal of Offender Rehabilitation*, 62(1), 1-20. 10.1080/10509674.2022.2158985

Kuehn, S. (Department of Criminology and Criminal Justice), & Vosgerau, J. (2023). Once a Criminal, Always A Criminal: People Overestimate the Immorality of Formerly Incarcerated People. *Journal of Experimental Criminology*. <https://doi.org/10.1007/s11292-022-09534-w>

Leckenby, K. (Department of Special Education)

- (2022). Pre-Service During a Pandemic: College Students' Perceived Effects of Mindfulness Practices: A Mixed Methods Study. *Journal of Research in Education*, 31(1), 47- 68. https://www.eeraorganization.org/_files/ugd/baaa29_82c54f64d94e46daa28c41c856fea3bf.pdf
- (2023, February 13). Five Tips for Working Effectively with Paraeducators. *SPEDxCHANGE* <https://www.spedxchange.com/news/453339/5-tips-for-working-effectively-with-paraeducators>

Lindenberg, K. (Graduate School of Physical Therapy), Shipe, N.K., Kletzli, K., Cannizzaro, R., Timko, J., Calhoun, K. (students, Graduate School of Physical Therapy) (2023, April). The influence of kinesiology tape on breathing mechanics in college-aged individuals – A randomized trial. *Cardiopulmonary Physical Therapy Journal*, 34(2), 75-80.

Abstract:

The purpose of this study was to investigate the influence of kinesiology tape (KT) on chest wall excursion (CWE) and magnitude of respiratory muscle activation. Ninety subjects were randomly assigned to receive KT, sham tape, or no tape around the lower thoracic region. Measures including CWE, maximal inspiratory pressure (MIP), and surface electromyography (sEMG) of intercostal and scalene muscles during maximal inspiratory effort were assessed before and after tape application as well as 48 hours later. KT did not show increased muscle activation, CWE, or MIP compared with sham and control scenarios. A significant training effect for MIP was identified.

Liu, W., & Kovacs, I. (Department of Physical and Health Education) (2022).

- Logistic Regression: Physical Activity Promotion Strategies Used by Habitual and Regular Exercisers. *Research Quarterly for Exercise and Sport*, 93(Sup1), A-26.
DOI: 10.1080/02701367.2022.2049687
- Self-Efficacy of Exercise, Decisional Balance, and Exercise Participation. *Research Quarterly for Exercise and Sport*, 93(Sup1), A-29.
DOI:10.1080/02701367.2022.2049687
- Discriminant Analysis: Exercise Levels And Motivational Constructs Associated With Transtheoretical Model. *Medicine & Science in Sports & Exercise*. 54(9S):121-122
DOI: 10.1249/01.mss.0000876564.51434.0a
- Regular And Habitual Exercisers: Advantages In Heart Rates Of Moderate-intensity Walking. *Medicine & Science in Sports & Exercise*. 54(9S): p 320. DOI: 10.1249/01.mss.0000879036.15073.44

Lynch, S. (Department of Special Education) (2022). *Morning Meeting Planning Guide for Infusing a Mathematics Activity that Engages All Students*. Resource featured by the Council for Exceptional Children (CEC) Exceptional Teacher Resource Repository:
<https://exceptionalchildren.org/teacher-resources/lesson-plan/morning-meeting-planning-guide-infusing-mathematics-activity-engages>

McDermott, K. (Department of Mathematics and Statistics) (2023) Shift dynamics of the groups of Fibonacci type. *Journal of Group Theory*, 26 (1), 55- 82.

Micsky, T. (Department of Social Work) (2022, October 19).

- Chapter 4: Clinical Practice: Life changes as loss experiences, Reactions to loss: Understanding grief, Primary, secondary & symbolic losses, Life change loss interview assignment. In K. Zgoda (Ed.), *Active learning lessons, activities, & assignments for the modern social work educator*. Taylor & Francis.
- Chapter 11: Self Care: Self-care for social work students, Photovoice for social work practice & research, Photovoice self-care assignment. In K. Zgoda (Ed.), *Active learning lessons, activities, & assignments for the modern social work educator*. Taylor & Francis.

Park, Y., & Joo, B.-K. (Department of Management and Marketing) (2022). Determinants of knowledge sharing: The roles of learning organization culture, empowering leadership, and learning goal orientation. *International Journal of Applied Management and Technology*, 21(1), 44-60.
<https://doi.org/10.5590/IJMAT.2022.21.1.04>

Santos, I. (Department of Physics and Engineering), Nasiadka, C., Quaranta, J., Ziemkiewicz, P. (2023). Filtration Studies for Geotextile Selection to Produce Rare Earth Elements Preconcentrate. *International Journal of Geosynthetics and Ground Engineering*, 9, 2.

Brief intro:

This research investigates geotextile filtration efficiencies for large-scale dewatering of a two-stage selective precipitation acid mine drainage (AMD) treatment process to recover rare earth elements (REE) sludge.

Sinnott, A., Eagle, S., **Kochick, V. (Graduate School of Physical Therapy)**, Bricker, I., Collins, M., Sparto, P., Flanagan, S., Elbin, R., Connaboy, C., & Kontos, A. (2022, June).

- Test-Retest and Inter-Rater Reliability of Dynamic Exertion Testing (EXiT) To Inform Return to Sport Readiness After Concussion. *Sports Health*.
- Test-Retest, Interrater Reliability, and Minimal Detectable Change of the Dynamic Exertion Test (EXiT) for Concussion. *Sports Health*.

Sinnott, A., Eagle, S., **Kochick, V. (Graduate School of Physical Therapy)**, Preszler, J., Collins, M., Sparto, P., Flanagan, S., Elbin, R., Connaboy, C., & Kontos, A. (2022, March). The Role of Age, Sex, Body Mass Index, and Sport-Type on the Dynamic Exertion Test (EXiT) Physiological, Performance, and Clinical Outcomes in Healthy Athletes. *Clinical Journal of Sports Medicine*.

Wajda, T., Gias, S., & Chatterjee, A. (Department of Management and Marketing) (2022). Giving Generation “Z” Marketing Students A “Voice”. *Marketing Education Review*, 32(2), 105-112.
<https://doi.org/10.1080/10528008.2022.2038631>

Abstract:

Although digital pedagogy in higher education has been pervasive the last two decades, the Covid-19 pandemic catapulted all educators into this arena. And although many educators had previous experience building digital course content, a large number of educators on our campus struggled daily to keep their “digitally native” Generation Z students virtually engaged in both asynchronous and synchronous modalities. Experimenting with the Voice Thread© platform, we discovered that this digital tool helped us to create learning environments that significantly heightened student engagement, not only with course material, but within the learning environment

as well. Our theoretical premise for this outcome is the idea that VT is a tool that has the ability to create the aura of an authentic, real-time, social presence. As supported by the literature and incorporated into our proposed model, social presence is key for spurring involvement and subsequently increasing engagement. Our literature review also supported the notion that the multi-media capacity of VT gave students the ability to interact with course material, their peers and the instructor in meaningful ways. It also gave students the freedom to practice self-expression, creative content development and public speaking/writing skills. From our professional vantage point, Voice Thread can be used for creating an authentic social presence in both synchronous and asynchronous learning environments. A significant managerial implication of VT use is increased student satisfaction. Extrapolating this beyond a single course, we see higher-arching ramifications including increased student persistence and ultimately retention, important metrics in higher education.

Yeboah, E. (Department of Social Work) (2022). Social Determinants of Health and Access to Public Services for Persons with Sickle Cell Disease. Dissertation. ProQuest

Abstract:

The study investigated the experiences of individuals with SCD and their access to public services. This was a mixed-method research that used sixty (60) members of the Sickle Cell Association in St. Louis, Missouri as participants. This research examined the experiences of patients with SCD and identified patterns; evaluated the six SDoH indicators that had the most impact on the interactions between persons with SCD and essential community services. Research questions and hypotheses that were measured included ‘Which of the six indicators of SDoH exerts the most influence on the interaction with the essential community services for persons with SCD?’ ‘What are the barriers to accessing public services for persons with SCD?’ and ‘What are the KSAs identified by respondents through qualitative analysis that healthcare professionals should be aware of to assure adequate support for persons with SCD?’ The null hypothesis tested in this study was that “there is no relationship between the

SDoH indicators and access to public services for persons with SCD, ”. Multiple linear regression was used to test the hypotheses of this study. The results indicated that the predictors (SDoH Indicators) explained 70.9% of the variance ($R^2 = 0.734$, $F(5, 54) = 29.75$, $P < 0.001$). SDoH indicators significantly predicted access to public services except for Community and Social Context SDoH indicator. The result further indicated a positive strong correlation ($R = 0.709$) between Access to Public Services and SDoH Indicators. The null hypothesis was therefore rejected. Findings for question 1 showed that Food SDoH exerts the most influence on the interaction with essential community services for persons with SCD. Findings for research question 2 revealed transportation, difficulty in obtaining and maintaining jobs, access to a regular supply of food, accommodations in school and community service participation, and access to healthcare specialists as barriers to access to public services. Additionally, findings for research question 3 showed that most of the participants complained about the KSAs of professionals as they seem to know better than their providers do. It was discovered by the researcher that participants’ expectations of their healthcare providers included more medical specialists for SCD in healthcare facilities, continuity of care from childhood to adulthood, encouraged the training of all healthcare professionals to understand the disease, educate the public to eliminate stigma, and referrals must be a part of the healthcare services offered to this population for vocational rehabilitation counseling services. The researcher further recommended that policymakers need to make policies that will make it easy for this population to access benefits to reduce financial difficulties, as well as policies that will enhance obtaining and maintaining jobs with work flexibility and rehabilitation counselors should assist persons with SCD in this area. This can be made possible through referrals by primary care providers to vocational rehabilitation counselors or they may otherwise not know about their services. This study has added to the already existing knowledge of persons with SCD and their access to public services. It has given us theories to further explore to benefit persons with SCD, their caregivers, healthcare providers as well as all stakeholders which includes policymakers. Nevertheless, the sample size and

time used to conduct the study were not adequate to generate widely generalizable findings. Therefore, future longitudinal studies with a bigger sample size are needed to elaborate on these findings and recommendations to investigate how they can be effective in improving access to public services for persons living with SCD.

Yoo, S., Joo, B.-K. (Department of Management and Marketing), & Noh, J. H. (2022). Team emergent states and team effectiveness: The roles of inclusive leadership and knowledge sharing. *Journal of Organizational Effectiveness: People and Performance*, 9(3), 353-371, DOI: [10.1108/JOEPP-05-2021-0120](https://doi.org/10.1108/JOEPP-05-2021-0120)

RECENT PRESENTATIONS/ PERFORMANCES/EXHIBITIONS

Abbs, K. (Department of Social Work)

- (2023, February 10). *Mindfulness: Youth-Led and Youth Initiatives*. PA National Association of Mental Illness Conference, Mental Health Professional Conference. (Conference presentation)
- (2023, March 3). *Incorporating Social Emotional Learning into the Classroom*. National Organization of Student Success Conference. (Conference presentation)

Anderson, Tyler (student, Department of Dance) (2023, April). *An Investigation of Race, Gender, and Queer Theories in Numerous Variations of Tchaikovsky's Swan Lake*. The National Council for Undergraduate Research (NCUR). (Conference presentation)

Becker, R., & Kuehn, S. (Department of Criminology and Criminal Justice) (2022). *Mental health Implications for Children of Incarcerated Parents*. The American Society of Criminology, Atlanta, GA. (Poster presentation)

Besombes, N., & Jenny, S. E. (Department of Exercise Science and Athletic Training) (2022, November). The Truth about Esports during the Pandemic: Generalizable Economic Sustainability Lessons Learned in France. Esports Research Network Conference 2022, Jönköping, Sweden.

Christianson, P., Gawrysiak, J., Scroggins, C., Jenny, S. (Department of Exercise Science and Athletic Training), & Frier, E. (2022, June). A Sport Management Faculty Members Guide to Launching Collegiate Esports Programs. North American Society for Sport Management (NASSM) Conference, Atlanta, GA.

Claus, A., & Thomas, R. E. W. (Department of Parks and Conservation) (2023). Is the golden age your golden ticket? Harnessing the power of silver in EE. The

Pennsylvania Association of Environmental Educators conference in Harrisburg, PA. (Workshop presentation)

Claus, A., Thomas, R. E. W. (Department of Parks and Conservation), & Liddle, R. (2023). *Reflecting on Miss Norma's Journey: How the intersection of nature, choice, social connection, and experiential learning can improve the quality of life for seniors*. Slippery Rock University Recreational Therapy conference, Slippery Rock, PA. (Conference presentation)

Colvin, A. (Department of Philosophy)

- (2023, April 23). *Remembering the 'p' in Philosophy.* Invited conference presentation. Philosophy for Children International Conference, Creighton University. (Conference Presentation)
- (2023, April 16). *Toward a Revolution of Compassion; Some Lessons Learned in Teaching the Sino-Tibetan Conflict in a University Seminar*. ASIANetwork 30th Anniversary National Conference, Columbus Ohio. (Conference Presentation)
- (2022, March 4). *Toward a Revolution of Compassion; Some Lessons Learned in Teaching the Sino-Tibetan Conflict in a University Seminar*. 29th National Conference of the Asian Studies Development, San Diego, California. (Conference Presentation)

Covey, W. (Department of Languages, Literatures, Cultures, and Writing)

- (2022, July 26-29). *Rebellious Outsiders of Neo-Noir: THE BIG FIX and CUTTER AND BONE*. 76th Annual University Film and Video Association Conference (UFVA). SUNY--Fredonia. Fredonia, NY. (Conference presentation)
- (2022, October 20-22). *Hobo Justice in TOO BUSY TO WORK*. Politics, Civic Life, and Popular Culture 2. Northeast Popular & American Culture Association Annual Conference (NEPCA). Virtual Conference. Zoom Online. (Conference presentation)
- (2023, January 5-8). *IN THE FADE: Heroic/Tragic Surveillance*. Global Surveillance Cultures: The Arts, Surveillance, and Disruptions. 138th Modern Language Association Annual Convention (MLA).

San Francisco, CA. Zoom online. (Conference presentation)

DeNicola, D.M. (Department of Biology), McNair, J., Suh, J. (2022, May 17). *Examination of the Roles of Dispersal and Species Sorting on Periphyton Primary Succession Using a Stochastic Model*. The Joint Aquatic Sciences Meeting, Grand Rapids, MI. (Conference presentation)

Dick, N. (Department of Health Care Administration & Management) & Melincavage, S. (Department of Nursing) (2022, October 20). *Collaborative Learning Taxonomy: A Practical Guide for Higher Education*. The National Association of Business, Economics & Technology (NABET) 45th Annual Meeting. State College, PA. (Selected Conference Presentation)

Ellestad, S.H., Sheaffer, J.E., Novak, N.C., Weber, C.A., **Holmstrup, M.E., & Dicus, J.R. (Department of Exercise Science and Athletic Training)** (2022, November). *Comparison of muscle recruitment across three straight-legged hinge exercises*. MARC ACSM Conference, Harrisburg, PA. (Conference Presentation)

Gordon, B.D.H., **Holmstrup, M.E., & Jensen, B.T. (Department of Exercise Science and Athletic Training)** (2022, November). *Real-Time Hemodynamic Evidence Supporting the Safety of Acute Isometric Exercise*. MARC ACSM Conference, Harrisburg, PA. (Conference Presentation)

Hale, J.V., Bennet, H., Cunningham, C., & **Perry, H. (Department of Counseling and Development/School Counseling Program)** (2022, December). *It all begins with relationships: Using choice theory and reality therapy in the schools*. Pennsylvania School Counselors Association 67th Annual Conference. Lancaster, PA. (Conference presentation)

Henriquez, Gianna (student, Department of Dance) (2023, April). *Sanar: Honoring the Earth's Resilience*. The National Council for Undergraduate

Research (NCUR). (Conference Presentation)

Holcomb, T.P., Hultberg, A.R., Nehlen, M.L., Bergmann, K.E., Chan, J.D., Ellestad, S.H., **Holmstrup, M.E., & Dicus, J.R. (Department of Exercise Science and Athletic Training)** (2022, November). *The Quantification of Muscle Activation during the Loaded Carry Movement Pattern*. MARC ACSM Conference, Harrisburg, PA. (Conference Presentation)

Isacco, S., & **Thomas, R. E. W. (Department of Biology, Parks and Conservation Program)** (2023). *Enhancing science capital through home to school connections using backyard field trip kits*. The Pennsylvania Association of Environmental Educators conference in Harrisburg, PA. ---- [1] Sara Isacco is an alum of SRU. (Workshop presentation)

Jenny, S. E. (Department of Exercise Science and Athletic Training), Besombes, N., Brock, T., Cote, A., & Scholz, T. (2022, November). *Discussion with the Editors: Handbook of Esports Book Project*. Esports Research Network Conference 2022, Jönköping, Sweden.

Jenny, S. E. (Department of Exercise Science and Athletic Training), & Donoghe, J. (2022, June). *Collegiate Esports: We Need Evidence-based Medicine!* American College of Sports Medicine (ACSM) 2022 Annual Meeting and World Congress on Exercise is Medicine, San Diego, CA.

Jenny, S. E. (Department of Exercise Science and Athletic Training), Donoghue, J., McGee, C., Hebard, S., & Rourke, D. (2022, July). [Invited Panelist]. *Exploring the Critical Role of Research for the Health and Wellness of Gamers*. Games for Change Festival 2022, New York City, NY.

Joo, B.-K. (Department of Management and Marketing) (2022). *Organizational agility: Managing duality of agility and resilience in this uncertain and dynamic business environment*. The 2022 Academy of Human Resource Development Conference Proceedings. (online) (Conference presentation)

Joo, B.-K. (Department of Management and Marketing), Park, C. K., & Amatucci, F. M. (2022). *Disentangling the relationships between transformational leadership, psychological collectivism, person-leader fit, and psychological safety, and work engagement: A moderated mediation analysis.* The 2022 Eastern Academy of Management Conference, Portland, ME. (Conference presentation)

Kaufman, M. (major student), & Leckenby, K. (Department of Special Education) (2023, March 1-3). *Gifted Programs: A Deeper Look.* CEC 2023 Convention & Expo. Louisville, KY, United States. <https://ceconvention.org/> (Conference presentation)

Kochick, V. (Graduate School of Physical Therapy) (2022, September). Invited non-peer reviewed presentations.

- Concussion in Sport- A National Conversation. Dublin, Ireland.
- IRFU Concussion Study Day. Dublin, Ireland.
- Ulster University; An Evening about Concussion. Belfast, Ireland.

Kochick, V. (Graduate School of Physical Therapy), Fangman, A., Bliss, B., Chatiwala, N., Hood, E., Gutierrez, M., Heick, J., & Rapalli, P.

- (2022, February 23-26). *Concussion Self-Efficacy in Screening, Examination, and Interventions: Knowledge Translation Approach.* CSM 2022. San Diego, CA. (Invited Poster Presentation)
- (2022, October 13-15). *Concussion Self-Efficacy in Screening, Examination, and Interventions: Knowledge Translation Approach.* ANPT Conference, Minneapolis, MN. (Poster Presentation)

Kocuba, O, Weber, L.A., Trube, J.G., Jensen, B.T., & Holmstrup, M.E. (Department of Exercise Science and Athletic Training) (2023, February). *Short-term, high-intensity exercise, but not histamine blockade, alters interarm blood pressure.* SEACSM Conference, Greenville, SC. (Conference Presentation)

Kuehn, S. (Department of Criminology and Criminal Justice), & Vosgerau, J. (2022).

- *The Public's Overestimation of Recidivism Rates.* The American Society of Criminology, Atlanta, GA. (Conference presentation)
- *Once a Criminal, always a Criminal: The Public's Overestimation of Immoral Behavior.* The Annual Meeting of the Academy of Criminal Justice Sciences, Las Vegas, NV. (Conference presentation)

Leckenby, K. (Department of Special Education) (2023, January 4). *Mind full or Mindful? How and Why to Incorporate Mindfulness Practices into the College Classroom.* 2023 International Conference in Education, Honolulu, HI, United States. <https://hiceducation.org/> (Conference presentation)

Leckenby, K. & Rose, A. (Department of Special Education) (2022, November 8). *Co-Teaching in the College Classroom.* Council for Exceptional Children Teacher Educator Division Conference, Richmond, VA, United States. <https://tedcec.org/events/ted-conference> (Conference presentation)

Lynch, S. (Department of Special Education) (2022, November).

- *Mediated Field Experience Structures for Dual Early Childhood and Special Education Majors.* The annual meeting of the Teacher Education Division of the Council for Exceptional Children (TED), Richmond, VA. (Conference presentation)
- *Mathematics instructional activities that support teacher candidates' development for working with neurodiverse students.* Proceedings of the annual meeting of the Teacher Education Division of the Council for Exceptional Children (TED), Richmond, VA.

Lynch, S. (Department of Special Education), Dosch, C., Montgomery, M., Garmond, J., & Trithart, H.

- (2022, December). *Games to Use During MTSS Interventions That Make Math Fun and Students' Thinking Visible.* The National Council of Teachers of Mathematics (NCTM) Regional Conference in

Baltimore, MD. *With Students (Conference presentation)

- (2023, March). *Conceptually-based MTSS Intervention Games That Make Students' Thinking Visible*. Council of Exceptional Children (CEC) Annual Conference in Louisville, KY.

*With Students (Conference presentation)

Lynch, S. & Lynch, J. (Department of Special Education)

- (2022, December). *Responsive Mathematics Classrooms: Building Community to Promote Engagement for All Students*. The National Council of Teachers of Mathematics (NCTM) Regional Conference in Baltimore, MD. (Conference presentation)
- (2022, September). *Strength-Based Responsive Math Classrooms: Building Community to Promote Engagement for All Students*. The National Council of Teachers of Mathematics (NCTM) Conference in Los Angeles, CA. (Conference presentation)
- (2022, September). *How Can I Support Teachers In Facilitating Responsive Mathematics Classrooms? Classrooms That Build Community to Promote Engagement for All Students*. The National Council of Supervisors of Mathematics (NCSM) Conference in Anaheim, CA. (Conference presentation)
- (2022, September). *How Do I Leverage Students' Mathematical Thinking in Special Education Settings? Strength-Based Approach to Interventions*. The National Council of Supervisors of Mathematics (NCSM) Conference in Anaheim, CA. (Conference presentation)

Lynch, S. (Department of Special Education), & Swartz, B. (2023, February). *Teaching all Students: Instructional Activities That Support Teacher Candidates' Development for Working with Neurodiverse Students*. The Annual Meeting of the Association of Mathematics Teacher Educators (AMTE), New Orleans, LA. (Conference presentation)

McEldowney, B.A., Markle, S.B., Keyser, J.D., Dillon, C.M., Hahn, A.M., Gordon, B.D.H., **Jensen, B.T., & Holmstrup, M.E. (Department of Exercise Science and Athletic Training)** (2021, November). *The Effect of Vigorous Exercise on the Inter-Arm Difference in Systolic Blood Pressure, Hemodynamics, and Vascular Biomarkers*. MARC ACSM Conference, Harrisburg, PA. (Conference presentation)

Melago, K. (Music Education)

- (2023, February 20). *Social Emotional Learning and Music Education: A Powerful Combination*. Pennsylvania Music Educators Association District 5 Professional Development Day. Grove City, PA.
- (2023, March 31). *Social Emotional Learning and Music Education: A Powerful Combination*. Pennsylvania Music Educators Association District 1 Professional Development During Elementary Band Festival. Pittsburgh, PA.

Micsky, T. (Department of Social Work)

- (2023, January 3). Loss & Grief in Early Childhood. [Invited Webinar/Course]. SpeechPathology.com.
- (2022, December 16). Grief & Loss: Modern Theory and Tools for Intervention. [Invited Webinar/Workshop for Staff Therapists]. Begin Within Therapy.
- (2022, September 20). Self-Care for Faculty: Coping with Loss, Burnout, and Compassion Fatigue. [Invited Virtual Workshop]. Northern Oklahoma College, Faculty Development Series.
- (2022, August 15). Grief in Family Systems. [Invited Webinar/Course]. Continued.com, Social Work.
- (2022, June 29). Organizational Loss and Trauma. [Invited Webinar/Course]. Continued.com, Social Work.
- (2022, April 22). Loss & Grief in Early Childhood. [Invited Webinar/Course]. Continued.com, Early Childhood Education.
- (2022, April 18). Self-Care for Faculty: Burnout, Compassion Fatigue, and Secondary Trauma. [Accepted Presentation]. Walden University National Faculty Meeting – Breakout Series.

Micsky, T. (Department of Social Work), & Hardner, K. (2022, April 11). Panel Discussion: *Options for Your Social Work Career*. Pennsylvania Association of Social Work Educators & National Association of Social Work – PA Chapter. (Virtual Co-Moderator)

Micsky, T., Leet, T., & Hays, D. (Department of Social Work) (2022, October 25). *Creative Self Care for Social Workers*. National Association of Social Workers – Pennsylvania Chapter, Annual Conference. (Accepted Workshop)

Naylor, L.A., Watts, A.C., Uba, N.R., **Jensen, B.T., & Holmstrup, M.E. (Department of Exercise Science and Athletic Training)** (2021, November). Passive Arm Movement to Induce an Inter-Arm Difference in Systolic Blood Pressure. MARC ACSM Conference, Harrisburg, PA. (Conference Presentation)

Plaxton-Moore, S., Rios, M., McCauley, J. K., Loggins, J., & **Strahler, D. (Department of Strategic Communication & Media)** (2022, September 27). *Sharing Creative Models and Innovative Approaches to Faculty Development*. Campus Compact. (Virtual faculty development workshop)

Roth, J. J., Champion, D., Goodenow, M., Josephson, A. (Department of Criminology & Criminal Justice), & Frampton, T. (2022, June). *Sleuth Club: Faculty and Student Perspectives on a Community Youth Program*. Northeastern Association of Criminal Justice Sciences Annual Meeting, Williamsport, PA. (Conference presentation)

Sparrow, Tom (Department of Philosophy) (2022, September). *Ontography and Antiquarianism in the Ghost Stories of M.R. James*. Past as Nightmare Interdisciplinary Conference, University of Reading (UK). (Conference Presentation)

Strahler, D. (Department of Strategic Communication & Media) (2022, October 15-17). *Forming Strategic Service-Learning Partnerships*. New York State Communication Association Conference, Callicoon, NY,

United States. (Conference presentation)

Thomas, R. E. W. (Department of Parks and Conservation), Buchannan-Wollaston, D., Kediersky, W., Rivera-Tinsley, C., Zewe, M. (2023). *DEIJA in EE: Tools for assessing organizational progress in programming*. The Pennsylvania Association of Environmental Educators conference in Harrisburg, PA. (Workshop presentation)

Watts, A.C., Naylor, L.A., Uba, N.R., **Jensen, B.T., & Holmstrup, M.E. (Department of Exercise Science and Athletic Training)** (2021, November). The Impact of the Cold Pressor Test on Inter-arm Differences in Blood Pressure. MARC ACSM Conference, Harrisburg, PA. (Conference presentation)

Wesley, W. (Department of Elementary & Early Childhood Education) (2023, February). *Make Your Math Face: Engaging Pre-Service Elementary Teachers in Overcoming Math Anxiety*. The 27th Annual Conference of the Association of Mathematics Teacher Educators, New Orleans, LA. (Conference presentation)

RECENT RESEARCH ACTIVITIES AND ACCOLADES

Abbs, K. (Department of Social Work) (2023). *Effects of Pre-Test Interventions on Test Anxiety for Enhancing Social-Emotional Learning*. CHP recipient of the SRU Faculty/Student Research Grant.

Holmstrup, M.E, Jensen, B.T., Urda, J.L, & Verba, S.D. (Department of Athletic Training & Exercise Science) (2023). PASSHE, Faculty Professional Development Council: *The effect of aerobic exercise training on inter-arm differences in blood pressure in individuals with hypertension*. Awarded- \$8000.

Melago, K. (Music Education) (2023, January). Mentorship for Black Students in Music Education at SRU. \$1,000 Pennsylvania Music Educators Association Margaret Bauer Grant.

Pease-Hernandez, C. E. (Department of Strategic Communication and Media) (2023, February/March). *Intercultural Communication Course Consortium for Transatlantic Studies and Scholarship*, University of Alcalá/Instituto Franklin, Spain.
<https://institutofranklin.net/en/academics/undergraduate-program/international-studies/faculty>
(Invited professor/research)

Teodoro, Melissa (Department of Dance) (2022) travelled to Colombia with twelve dance majors to engage in research on the history and reconstruction of a traditional Andean dance titled *Bambuco Santafereno*. The dance examined will be performed by members of *Palenque*, a touring dance company housed in SRU's Department of Dance. This international research experience was supported by a Faculty and Student Research Grant and a Student Research, Scholarship and Creative Activities Internal Grant. Student researchers are: Tyler Anderson, Alia Anton, Katelin Baughn, Jaidin Broody- Walega, Auriana Carrington, Jayelle Dunning,

Ericka Morton, Austin Shaffer, Kaylee Smith, Taylor Snyder, Lily Staib, and David Van Slander.



Teodoro, Melissa (Department of Dance) (2023). SRU outreach dance company, *Palenque* and its 15 members performed at four intermediate schools in the Alle-Kiski District in the spring of 2023 reaching over 1500 middle schoolers. The educational program focused on the history, geography, and culture of Colombia through dance.



Frequently Asked Questions

1. What is the Rock Research Expo?

The Rock Research Expo (RRE) is an annual newsletter that keeps our campus informed of the scholarly endeavors and potential research opportunities for faculty and students.

2. Why is it important to participate?

The RRE shares, across disciplines throughout campus, new knowledge being gained through both faculty and student research. Additionally, the RRE serves to promote academic communication, collaboration, and a success-driven environment of learning for faculty and students.

3. What types of submissions are appropriate?

- ❖ Recent publications by faculty members and students
- ❖ Research projects and grant acquisition information (title, authors, brief description)
- ❖ Recent presentations, performances, and exhibitions by faculty and students

4. How do I submit my information?

Faculty and students (with faculty letter of support) may submit their information via email to: rockresearchexpo@sru.edu.

5. When is the deadline to submit?

Submission deadline for the newsletter is February 28.

6. When will the next issue be published?

The newsletter is published annually after spring break.

7. How should I cite my submission?

Use whatever citation format is standard for your field of study. A short abstract may be included, if desired.

Please make sure to include the name of your department. See the example below.

Amodei, M. (Department of Elementary/Early Childhood Education), Jalongo, M.R., Myers, J., Onchwair, J., and Gargiulo, R.M. (2013). Survey of publication outlets in early childhood education: Descriptive data, review processes, and advice to authors. *Early Childhood Education Journal*, 41(2), 115-123.