

VITA
BRIAN LEVENTHAL
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ADDRESS

298 Port Republic Road, MSC 6806, Harrisonburg, VA 22807

EDUCATION

Ph.D. (Major: Research Methodology, Measurement, and Statistics), School of Education, University of Pittsburgh, 2017.

M.A. (Applied Statistics), School of Arts and Sciences, University of Pittsburgh, 2013.

B.S. (Major: Mathematics, Minors: Economics, Statistics, Computational Science), Clarkson University, 2011.

CERTIFICATIONS

SAS Certified Specialist: Base Programming Using SAS 9.4, SAS Global Certification Program, 2021

EMPLOYMENT HISTORY

2024 – Present Director. Psychological Sciences M.A. Program. James Madison University, Harrisonburg, VA.

2022 – Present Director. Assessment and Measurement Ph.D. Program. James Madison University, Harrisonburg, VA.

2018 – Present Coordinator. Psychological Sciences: Concentration in Quantitative Psychology Master's Program. James Madison University, Harrisonburg, VA.

2023 – Present Associate Professor. Department of Graduate Psychology. James Madison University, Harrisonburg, VA.

2017 – 2023 Assistant Professor. Department of Graduate Psychology. James Madison University, Harrisonburg, VA.

2017 – 2022 Assistant Assessment Specialist. Center for Assessment and Research Studies (CARS). James Madison University, Harrisonburg, VA.

2014 – 2017 Instructor. Department of Psychology in Education, University of Pittsburgh, Pittsburgh, PA.

2012 – 2017 Instructor. Department of Statistics, University of Pittsburgh, Pittsburgh, PA.

2016 Intern. National Board of Medical Examiners, Philadelphia, PA.

2015 Intern. American Institute of Certified Public Accountants, Ewing, NJ.

2013 – 2015 Instructor. Heinz College - JSI PPIA, Carnegie Mellon University, Pittsburgh, PA.

- 2013 – 2014 Graduate Student Assistant, Department of Psychology in Education, University of Pittsburgh, Pittsburgh, PA.
- 2011 - 2012 Teaching Assistant, Department of Statistics, University of Pittsburgh, Pittsburgh, PA.
- 2009 – 2011 Teaching Assistant, Department of Mathematics, Clarkson University, Potsdam, NY.
- 2009 – 2011 Integrated Math and Physics for Entry to Undergraduate STEM (IMPETUS) Fellow, Clarkson University, Potsdam, NY.

TEACHING EXPERIENCE

Graduate

- Bayesian Statistics, Assessment and Measurement PhD Program,
James Madison University
- Classical Test Theory & Generalizability Theory, Assessment and Measurement PhD Program,
James Madison University
- Statistical/Measurement Consultation, Assessment and Measurement PhD Program,
James Madison University
- Intermediate Inferential Statistics, Psychological Sciences Master's Program,
James Madison University
- Introductory Statistics, Research Methodology PhD Program,
University of Pittsburgh
- Introduction to Research Methods, Research Methodology PhD Program,
University of Pittsburgh

Undergraduate

- Introductory Statistics, Department of Statistics, University of Pittsburgh
- Applied Statistics for Public Policy, Carnegie Mellon University
- Statistics for Economics and Management, Department of Statistics, University of Pittsburgh,

PUBLICATIONS (* indicates student)

- Snyder, S. M., Huber, H., Horsby, H., & Leventhal, B. C. (*in press*) Overlapping training and roles. An exploration of the state of interprofessional practice between behavior analysts and school psychologists. *Behavior Analysis in Practice*. doi: 10.1007/s40617-023-00904-y
- Leventhal, B. C. & Pastor, D. (*in press*). An illustration of an IRTree model for disengagement. *Educational and Psychological Measurement*. doi: 10.1177/00131644231185533
- Leventhal, B. C. & Zigler, C. (2023). A tree-based approach to identifying response styles with anchoring vignettes. *Measurement: Interdisciplinary Research and Perspectives*, 21(3), 82-100. doi: 10.1080/15366367.2022.2156219
- *Shapovalov, Y. A. & Leventhal, B. C. (2023). Investigation of the alignment of general education and academic degree program learning. *Research and Practice in Assessment*, 18(1), 33-49.
- Ames, A.J. & Leventhal, B. C. (2023). Application of a longitudinal IRTree model: Response style changes over time. *Assessment*, 30(2), 332-347. doi: 10.1177/10731911211042932
- Ames, A. J. & Leventhal, B. C. (2022). Modeling changes in response style with longitudinal IRTree models. *Multivariate Behavioral Research*, 57(5), 859-878. doi: 10.1080/00273171.2021.1920361

- Leventhal, B. C., *Gregg, N., & Ames, A. J. (2022). Accounting for response styles: Leveraging the benefits of combining response process data collection and response process analysis methods. *Measurement: Interdisciplinary Research and Perspectives*, 20 (3), 151-174. doi: 10.1080/15366367.2021.1953315
- Horst, S. J., Leventhal, B. C., Clarke, K. E., & Hazard, G. A. (2021). Bringing together two ends of the spectrum. *Assessment Update*, 33 (5), 4-5.
- Leventhal, B. C. & *Thompson, K. N. (2021). Surveying the measurement profession to assist recruiting in the United States. *Educational Measurement: Issues and Practice*, 40(3), 83-95. doi: 10.1111/emip.12431
- Leventhal, B. C., Schubert, L., & Trybus, M. (2021). The SELAP continuum: How to assess student employee learning and job performance. *Assessment Update*, 33(3), 4 – 15 doi: 10.1002/au.30254
- *Spratto, E., Leventhal, B. C., & Bandalos, D. (2021). Seeing the forest and the trees: Comparison of two IRTree models to investigate the impact of full vs. endpoint-only response option labeling. *Educational and Psychological Measurement*, 81(1), 39-60. doi: 10.1177/0013164420918655
- *Myers, A. J., Ames, A. J., Leventhal, B. C., & *Holzman, M. A. (2020). Validating rubric scoring processes: An application of an item response tree model. *Applied Measurement in Education*, 33(4), 293-308. doi: 10.1080/08957347.2020.1789143
- Ames, A. J., Leventhal, B.C., & *Ezike, N. C. (2020). Monte Carlo simulation in item response theory applications using SAS. *Measurement: Interdisciplinary Research and Perspectives*, 18(2), 55-74. doi: 10.1080/15366367.2019.1689762
- Leventhal, B. C. & Grabovsky, I. (2020). Adding objectivity to Standard Setting: Evaluating consequence using the conscious and subconscious weight methods. *Educational Measurement: Issues and Practice*, 39(1), 30-36. doi: 10.1111/emip.12316
- Fulcher, K. H. & Leventhal, B. C. (2020). James Madison University: Assessing and planning during a pandemic. *Assessment Update*, 32(6), 4-5.
- Leventhal, B.C. (2019). Extreme response style: A simulation study comparison of three multidimensional item response models. *Applied Psychological Measurement*. 43(4), 322-335.
- Leventhal, B.C., & Stone, C.A. (2018). Bayesian analysis of multidimensional item response theory models: A discussion and illustration of three response style models. *Measurement: Interdisciplinary Research and Perspectives*, 16(2), 114-128.
- Stone, C. & Leventhal, B. (2017). Accounting for multidimensionality in item responses in patient-centered and patient reported outcomes measurement. *International Journal of Person-Centered Measurement*, 6(4), 274-288.
- Lane, S. & Leventhal, B. (2015). Psychometric challenges in assessing English language learners and students with disabilities. *Review of Educational Research*, 29(1), 165-214.
- Leventhal, B., Fu, X., Fowler, K. & Eslinger, O. (2015). Parameter identification and sensitivity analysis to a thermal diffusivity inverse problem. *Involve: A Journal of Mathematics*, 8(3), 385 – 400.

Dziak, C., Leventhal, B., Luttman, A. & Skufca, J. (2014). Vertically integrating professional skills throughout a mathematics major. *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, 24(4), 301-308.

OTHER PUBLISHED WORK (* indicates student)

Leventhal, B. C. (2024). ITEMS corner update: two years of changes to ITEMS. *Educational Measurement: Issues and Practice*, 43(1), 96. doi: 10.1111/emip.12596

Leventhal, B. C. (2023). ITEMS corner update: The final three steps in the development process. *Educational Measurement: Issues and Practice*, 42(4), 81. doi: 10.1111/emip.12586

Leventhal, B. C. (2023). ITEMS corner update: Recording audio and adding an editorial polish to an ITEMS module. *Educational Measurement: Issues and Practice*, 42 (3), 80-81. doi: 10.1111/emip.12573

Leventhal, B. C. (2023). ITEMS corner update: The initial steps in the ITEMS development process. *Educational Measurement: Issues and Practice*, 42 (2), 74. doi:10.1111/emip.12556

Leventhal, B. C. (2023). ITEMS corner update: The new ITEMS module development process. *Educational Measurement: Issues and Practice*, 42 (1), 110-111. doi: 10.1111/emip.12545

Leventhal, B. C., Ames, A. J., & *Thompson, K. N. (2023). Simulation studies for psychometrics. In R. J. Tierney, F. Rizvi, & K. Erkican (Eds.), *International Encyclopedia of Education (Fourth Edition)* (pp. 341–346). Elsevier. doi: 10.1016/B978-0-12-818630-5.10043-0

Leventhal, B.C. & *Gregg, N. (2022). Reliability and measurement error. In *The Routledge Encyclopedia of Education*.

Leventhal, B. C. (2022). ITEMS corner update: High traffic to the ITEMS portal on the NCME website. *Educational Measurement: Issues and Practice*, 41(4), 79-80. doi: 10.1111/emip.12532

Leventhal, B. C. (2022). ITEMS corner update: Announcing two significant changes to ITEMS. *Educational Measurement: Issues and Practice*, 41(3), 83-84. doi: 10.1111/emip.12524

Leventhal, B.C., (2022). ITEMS corner: Educating the educational measurement community. *Educational Measurement: Issues and Practice*, 41(1), 93-94. doi: 10.1111/emip.12501

*Gregg, N. & Leventhal, B. C. (2020). Data visualizations: effective evidence-based practices [Digital ITEMS Module 17]. *Educational Measurement: Issues and Practice*, 39(3), 239-240. doi: 10.1111/emip.12387

Leventhal, B. C., & Ames, A. J. (2020). Monte Carlo simulation studies in IRT [Digital ITEMS Module 13]. *Educational Measurement: Issues and Practice*, 39(2), 109-110. doi:10.1111/emip.12342

Leventhal, B. C. (2018). Introduction to SPSS using Simulation via t tests, regression, and ANOVA. James Madison University. *Assignment Library*. National Institute for Learning Outcomes Assessment.

Leventhal, B. C., Horst, S. J., *Sauder, D. C., & Ford, K. (2018). Can a three-day intensive statistics boot camp increase graduate students' core knowledge and self-efficacy? In M. A. Sorto, A. White, &

L. Guyot (Eds.), *Looking back, looking forward. Proceedings of the Tenth International Conference on Teaching Statistics (ICOTS10, July, 2018)*, Kyoto, Japan. Voorburg, The Netherlands: International Statistical Institute. Retrieved from https://iase-web.org/icots/10/proceedings/pdfs/ICOTS10_C302.pdf

Lowenstein, K., Leventhal, B., Drouin, K., Dowman, R., Fowler, K. & Mondal, S. (2011). Simulation and model calibration with sensitivity analysis for threat detection in the brain. *International Journal of Simulation and Process Modelling*, Proceedings of The 23rd European Modeling & Simulation Symposium, Rome, Italy.

POPULAR PRESS

Leventhal, B. C., Finney, S., & Lambert, L. (2024, June 4). Three key “moves” to improve graduate training in educational measurement. *Center for Measurement Justice Blog*. Retrieved from <https://measurementjustice.org/2024/06/04/three-key-moves-to-improve-graduate-training-in-educational-measurement/>

Leventhal, B.C., Keng, L., & Domingue, B. (2022). NCME annual conference program committee update. *NCME Newsletter, Spring 2022*. Retried from <https://www.ncme.org/news/newsletter>.

Leventhal, B. C. (2021). NCME annual conference program committee update. *NCME Newsletter, Fall 2021*. Retried from <https://www.ncme.org/news/newsletter>.

Leventhal, B. C. (2020). Website committee update (Fall 2020): Making the most of the NCME website in a virtual world. *NCME Newsletter, 28(3)*. Retried from <https://www.ncme.org/news/newsletter>.

Leventhal, B. C. (2020). *Navigating Through Change: An interview*. <https://www.holisticadmissions.org/navigating-through-change/>

Leventhal, B. C. & Boykin, A. A. (2020). An Update from the Educators of Measurement SIGIMIE. *NCME Newsletter, 28(2)*, 3. Retried from <https://www.ncme.org/news/newsletter>.

Leventhal, B. & Gaertner, M. (2018). Website Committee Update. *NCME Newsletter, 26 (3)*, 11. Retried from <https://www.ncme.org/news/newsletter>.

CONFERENCE PRESENTATIONS (* indicates student)

*Hunsberger, J. & Leventhal, B.C. (2024, April). *Evaluating the efficacy of the IRTree model for disengagement*. Research-In-Progress Roundtable presented at the annual conference of the American Educational Research Association, Philadelphia, PA.

Leventhal, B. C., Finney, S., Kaye, E., & Wilson, N. (2024, April 14). *A needs assessment to guide professional development in justice-oriented assessment*. Demonstration presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Philadelphia, PA.

*Hewitt, C. & Leventhal, B. C. (2023, November). *Our future is online but what about for assessment? Investigating the relationship between type of device and student engagement/performance*. Poster presented at the Virginia Assessment Group Annual Conference, Richmond, VA.

Leventhal, B. C. & Finney, S. J. (2023, August). *An approach to incorporate EDI into the curricula for a Master's and PhD program*. Presented at the Annual Convention of the American Psychological Association (APA), Washington, D. C.

- *LeRoy, S. K. & Leventhal, B. C. (2023, May 27). *Using IRTrees to evaluate response style effects between different item formats*. Poster presented at the Annual Convention of the Association for Psychological Sciences (APS), Washington, D. C.
- Leventhal, B. C. (2023, April 14). *ITEMS: The benefits of two major changes for learners and authors*. Demonstration presented at the 2023 Annual Meeting of the National Council on Measurement in Education (NCME), Chicago, IL.
- *Thompson, K. N. & Leventhal, B. C. (2023, April 13). *A novel examination of the validity of none of the above*. Poster presented at the 2023 Annual Meeting of the National Council on Measurement in Education (NCME), Chicago, IL.
- *Schaefer, K.E. & Leventhal, B. C. (2023, April 13). *Addressing test-taking disengagement across multiple domains simultaneously using an IRTree model*. Poster presented at the 2023 Annual Meeting of the National Council on Measurement in Education (NCME), Chicago, IL.
- *Mireles, N. E., & Leventhal, B. C. (2022, November). *Applying process data to assessment methodology: Using response time thresholds to detect non-solution behavior in general education assessment*. Poster presented at the Virginia Assessment Group Annual Conference, Richmond, VA.
- Hornsby, T., Leventhal, B. C., Snyder, S., & Huber, H. (2022, August). *Words college: School psychology and BCBA graduate students' training in collaborative practices*. Poster at the Annual Convention of the American Psychological Association (APA), Minneapolis, MN.
- *LeRoy, S., Leventhal, B. C., Boykin, A. A., & Bandalos, D. (2022, May). *Examining response styles using funnel items*. Poster presented at the Annual Convention of the Association for Psychological Sciences, Chicago, IL.
- Leventhal, B. C., Pastor, D. A., & *Satkus, P. (2022, April). *An illustration of the solution behavior IRTree Model*. Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), San Diego, CA.
- Ames A. J., Leventhal, B. C., *Ezike, N., & *Thompson, K. N. (2022, April). *Bayesian Monte Carlo simulation studies: practice and implications*. Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), San Diego, CA.
- Finney, S. & Leventhal, B. C. (2022, April). *Creating and implementing a year-long seminar on equity-centered assessment: lessons learned*. Presentation at the Annual Meeting of the National Council on Measurement in Education (NCME), San Diego, CA.
- Leventhal, B. C. & *Thompson, K. N. (2022, April). *Recruiting to the measurement profession by employing an undergraduate internship*. Presentation at the Annual Meeting of the National Council on Measurement in Education (NCME), San Diego, CA.
- Leventhal, B. C. (2022, February). *Shifting an in-person university milestone requirement during the pandemic*. Poster presented at the annual AAC&U Conference on General Education, Pedagogy, and Assessment, San Diego, CA.
- Snyder, S., Huber, H., Hornsby, T., & Leventhal, B. (2022, January). *Building BCBA's aptitude for interdisciplinary collaboration in schools*. Presentation at 23rd Annual International Conference

for the Council for Exceptional Children Division on Autism and Developmental Disabilities. Clearwater, FL.

- *Lewis, J. & Leventhal, B. C. (2021, November 18). *Measured learning: Growth of information literacy knowledge during COVID-19*. Poster presented at the Virginia Assessment Group Annual Meeting, Virtual.
- *Trinh, A., *Thompson, K., Leventhal, B. C. (2021, November 18). *Determining the effects of COVID-19 on the structure of the critical thinking dispositional scales through confirmatory factor analysis*. Poster presented at the Virginia Assessment Group Annual Meeting, Virtual.
- *Herr, R. K. & Leventhal, B. C. (2021, October). *Investigating longitudinal growth of students' information literacy skills*. Presentation at the 2021 Assessment Institute. Virtual Presentation.
- *Shapovalov, Y.A., Leventhal, B. C., & *Blanco-Murakoshi, D. (2021, October). *An assessment story: The common liberal arts experience, debunking a misconception*. Presentation at the 2021 Assessment Institute. Virtual Presentation.
- *Thompson, K.N. & Leventhal, B. C. (2021, October 14). *The power of historical data in Bayesian item response theory*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association (NERA). Virtual Presentation
- Huber, H., Snyder, S., Hornsby, T., & Leventhal, B. (2021, July). *Playing nicely together: an investigation of BCBA and school psychologist collaboration to support challenging behavior in schools*. Presentation at the 5th Annual Women in Behavior Analysis Conference. Virtual Presentation.
- Ames, A. J., Leventhal, B. C., *Ezike, N., & *Thompson, K. (2021, July 19). *Simulation studies in psychometrics: State of the practice*. Paper presented at the International Meeting of the Psychometric Society (IMPS), Virtual Presentation.
- Leventhal, B. C. & Zigler, C. K. (2021, June 11). A tree-based approach to identifying response styles with anchoring vignettes. In B. C. Leventhal (Chair), *IRTtree models: The illus-tree-ous and in-tree-guing response process models*. [Symposium]. Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Virtual Presentation.
- *Gregg, N. & Leventhal, B. C. (2021, June 11). An IRTree method to investigating stability of extreme and midpoint response style. In B. C. Leventhal (Chair), *IRTtree models: The illus-tree-ous and in-tree-guing response process models*. [Symposium]. Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Virtual Presentation.
- Ames Boykin, A. & Leventhal, B.C. (2021, June 11). *Modeling changes in response style with longitudinal IRTree models*. Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Virtual Presentation.
- *Gregg, N. & Leventhal, B.C. (2021, June 10). *Consequences of assuming: Effects on bias and efficiency of IRTree trait estimates*. Poster presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Virtual Presentation.

- *Ezike, N., Ames Boykin, A., Leventhal, B.C. (2021, June 11). *Bayesian item response theory model selection: Conditional and marginal likelihoods*. Poster presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Virtual Presentation.
- Snyder, S., Huber, H., Hornsby, T., & Leventhal, B. C. (2021, April). *Playing nicely in the sandbox: BCBA's collaborating with school psychologists*. Poster presentation at the 17th Annual Conference and Business Meeting for the Virginia Association for Behavior Analysis. Virtual Presentation.
- Hornsby, T., Snyder, S., Huber, H., & Leventhal, B. C. (2021, February). *School psychologists and BCBA's working together to solve complex problems*. Presentation at the Annual Convention of the National Association of School Psychologists, Virtual Presentation.
- *Thompson, K. N. & Leventhal, B. C. (2020, September). *The impact of undesirable distractors on estimates of ability*. Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Virtual Presentation.
- *Ezike, N., Ames, A. J., & Leventhal, B. C. (2020, September). *Evaluation of the SAS IRT procedure: Parameter recovery and item fit*. Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Virtual Presentation.
- Leventhal, B. C. & *Thompson, K. N (2020, June 23). *The current state of educational measurement and what we've learned*. Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Virtual Presentation.
- *Gregg, N. & Leventhal, B. C. (2020, April). *An IRTree method to investigating stability of extreme and midpoint response style*. Paper accepted to be presented at the Annual Meeting of the National Council on Measurement in Education (NCME), San Francisco, CA. (Conference Cancelled)
- Leventhal, B. C. & Zigler, C. (2020, April). *A tree-based approach to identifying response styles with anchoring vignettes*. Paper accepted to be presented at the Annual Meeting of the National Council on Measurement in Education (NCME), San Francisco, CA. (Conference Cancelled)
- Leventhal, B. C. (2020, April). *The effects of a common cut score on misclassifying examinees*. Paper accepted to be presented at the Annual Meeting of the American Educational Research Association (AERA), San Francisco, CA. <http://tinyurl.com/t5sb832>. (Conference Cancelled)
- Hazard, G., Clarke, K., & Leventhal, B. C. (2019, November 14). *Students' value of general education: What perception data tells us about our students*. Paper presented at the Virginia Assessment Group Annual Meeting, Richmond, VA.
- Carrier, H. S., Clarke, K., Leventhal, B. C., & Vess, D. (2019, November 14). *The efficacy of tutorial-test model for first-year information literacy skills competency development*. Paper presented at the Virginia Assessment Group Annual Meeting, Richmond, VA.
- *Pedrick, B. & Leventhal, B. C. (2019, November 13). *The use of generalizability theory to determine measurement error on an ethical reasoning performance assessment*. Poster presented at the Virginia Assessment Group Annual Meeting, Richmond, VA.

- *Holmes, P. & Leventhal, B. C. (2019, November 13). *Thinking critically about critical thinking: What predicts students' critical thinking ability?* Poster presented at the Virginia Assessment Group Annual Meeting, Richmond, VA.
- Leventhal, B. C., Schubert, L., & Trybus, M. (2019, October). *Beyond buy-in: Inspiring faculty participation in assessment.* Paper presented at the 2019 Assessment Institute in Indianapolis, Indianapolis, IN.
- Hathcoat, J. D., *Blanco Murakoshi, D., Leventhal, B.C., *Shapovalov, Y. (2019, October). *Using item-level statistics to improve assessment instruments.* Paper presented at the 2019 Assessment Institute in Indianapolis, Indianapolis, IN.
- *Thompson, K. N. & Leventhal, B. C. (2019, October). *Interpreting distractor function: The paradigm does matter.* Paper presented at the Annual Meeting of the Northeastern Educational Research Association (NERA), Trumbull, CT.
- *Gregg, N. & Leventhal, B. C. (2019, October). *Evidence of a two-stage response process from adaptive Likert items.* Paper presented at the Annual Meeting of the Northeastern Educational Research Association (NERA), Trumbull, CT.
- Spratto, E. M., Bandalos, D. L., & Leventhal, B. C. (2019, October). *Seeing the forest and the trees: Applying IRTree models to noncognitive data.* Paper presented at the Annual Meeting of the Northeastern Educational Research Association (NERA), Trumbull, CT.
- Zigler, C. K., McFatrigh, M., Lucas, N., & Leventhal, B.C. (2019, October). *A novel IRTree Model for identifying extreme response styles using anchoring vignettes.* Poster presented at the International Society for Quality of Life Research Annual Conference, San Diego, CA.
- Clarke, K. & Leventhal, B. C. (2019, September). *Effectively communicating general education learning outcomes to multiple stakeholders.* Paper presented at the Association of General and Liberal Studies (AGLS) Constitute, Orlando, FL.
- Ames, A. J., Leventhal, B. C., & *Myers, A. J. (2019, July). *Modeling changes in response style with longitudinal IRTree models.* Paper presented at the International Meeting of the Psychometric Society (IMPS), Santiago, Chile.
- *Gregg, N. & Leventhal, B. C. (2019, July). *An IRTree approach investigating the construct dependency of response styles.* Poster presented at the International Meeting of the Psychometric Society (IMPS), Santiago, Chile.
- Horst, S. J. & Leventhal, B. C. (2019, June). *Asking questions: A guide of how to use assessment to connect faculty with administration interests.* Paper presented at the Association for the Assessment of Learning in Higher Education (AALHE) Annual Assessment Conference, St. Paul, MN.
- Leventhal, B. C., Schubert, L., & Trybus, M. (2019, June). *Disaggregating the assessment of learning from job performance.* Paper presented at the Association for the Assessment of Learning in Higher Education (AALHE) Annual Assessment Conference, St. Paul, MN.
- *Blanco Murakoshi, D., *Shapovalov, Y., Hathcoat, J. D., & Leventhal, B. C. (2019, May). *Item analysis in criterion-referenced testing: A study of differences in pre, post, and pre-post judgements.*

- Poster presented at the Association for Psychological Science (APS) Annual Convention, Washington, D.C.
- *Craig, B. G., *Thompson, K. N., Leventhal, B. C., & Horst, S. J. (2019, May). *Mindset and motivation: Attitudinal predictors of first-year oral communication competence*. Poster presented at the Association for Psychological Sciences (APS) Annual Convention, Washington, D.C.
- *Perkins, B. A., Horst, S. J., Leventhal, B. C., & *Zapparrata, N. M. (2019, May). *Evaluating the impact of a statistics refresher course on statistics knowledge, statistics self-efficacy, and statistics anxiety*. Poster presented at the United States Conference on Teaching Statistics, State College, PA.
- *Gregg, N., Leventhal, B. C., & Ames, A. J. (2019, April). *Using a treelike item structure to disentangle response styles from trait information*. Poster presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Toronto, Canada.
- Leventhal, B. C. (2019, April). *When consequences of false negative misclassification have greater harm: A 3-PL illustration*. Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Toronto, Canada.
- Clarke, K, Hazard, G. & Leventhal, B.C. (2019, February). *Critical information literacy from general education to the major. How assessment shapes competencies and student learning in theory and practice*. Presentation at the Association of American Colleges & University (AAC&U): 2019 General Education and Assessment Conference. Creating a 21st- Century General Education: Responding to Seismic Shifts, San Francisco, CA.
- *Zapparrata, N., Ames, A. J., & Leventhal, B. C. (2018, November). *Detection of differential item functioning in the Ethical Reasoning Identification Test*. Poster presented at the Virginia Assessment Group Annual Meeting, Charlottesville, VA.
- *Thompson, K., *Craig, B., Leventhal, B. C., & Horst, S. J. (2018, November). *Let's talk about attitudes: What predicts first-year oral communication competence?* Poster presented at the Virginia Assessment Group Annual Meeting, Charlottesville, VA.
- Schubert, L., Leventhal, B.C., & Trybus, M. (2018, October). *Scaling the molehill before Mount Everest: Assessing peer educators in a learning assistance program*. Paper presented at the 2018 Assessment Institute in Indianapolis, Indianapolis, IN.
- Leventhal, B. C. (2018, October). *Point of minimal classification Error: A simulation study*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association (NERA), Trumbull, CT.
- Grabovsky, I. & Leventhal, B.C. (2018, July). *Cut-scores that minimize ultimate classification error in test batteries*. Paper presented at the International Meeting of the Psychometric Society (IMPS), New York, NY.
- *Myers, A.J., Ames, A.J., Leventhal, B.C., & *Holzman, M.A. (2018, July). *Posterior predictive model comparison of two performance assessment scoring methods*. Paper presented at the International Meeting of the Psychometric Society (IMPS), New York, NY.

- Leventhal, B. C. & Horst, S. J. (2018, July). *Every learner is unique so why couldn't their assignments be unique? The use of simulated datasets in inferential statistics courses*. Poster presented at the International Conference on Teaching Statistics 10, Kyoto, JP.
- Leventhal, B. C. & Horst, S. J. (2018, July). *Can a three-day intensive statistics boot camp increase graduate students' core knowledge and self-efficacy?* Paper presented at the International Conference on Teaching Statistics 10, Kyoto, JP.
- *Sauder, D., Leventhal, B., & Horst, S. J. (2018, May). *Effects of a summer statistics refresher boot camp*. Poster presentation at the Electronic Conference on Teaching Statistics. State College, PA. (<https://www.causeweb.org/cause/ecots/ecots18/program/posters>)
- *Myers, A., Ames, A.J., & Leventhal, B. & *Holzman, M.A. (2018, April). *An item response tree model for validating rubric scoring processes*. Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), New York, NY.
- Horst, S. J., *Sauder, D., Leventhal, B., & Ford, K. (2017, October). *2017 Summer statistics refresher boot camp*. Poster presentation at the annual 4-VA Symposium. Harrisonburg, VA.
- *Myers, A., Ames, A.J., & Leventhal, B. (2017, October). *IRTTree Models: application to rater response processes*. Paper Presented at the Annual Meeting of the Northeastern Educational Research Association (NERA), Trumbull, CT.
- Leventhal, B & Stone, C. (2017, April). *Extreme response style: which model is best?* Poster presented at the Annual Meeting of the National Council on Measurement in Education (NCME), San Antonio, TX.
- Leventhal, B, Grabovsky, I, & Wainer, H. (2017, April). *Test classification errors: who are we passing and who are we failing?* Paper presented at the Annual Meeting of the American Educational Research Association (AERA), San Antonio, TX.
- Leventhal, B & Rubright, J. (2016, April). *Why do value added ratios differ under different scoring approaches?* Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Washington, DC.
- Leventhal, B & Stone, C. (2016, April). *Extreme Response Style: Which Model is Best?* Poster presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Washington, DC.
- Leventhal, B. (2016, March). *Extreme Response Style: Comparison of Models*. Paper presented at the CGSE Student Research Conference, Pittsburgh, PA.
- Leventhal, B., Stone, C., Yu, L. & Greco, C. (2015, April). *Comparing MULTILog and IRTPRO Parameter Estimates under Skewed Trait Distributions*. Poster presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Chicago, IL.
- Leventhal, B. & Fowler, K. (2011, March). *Optimization for Modeling Brain Activity During Threatening Scenarios*. Presented at SIAM Conference on Computational Science and Engineering, Reno, NV.

Leventhal, B., Lowenstein, K., Drouin, K., Dowman, R., Fowler, K. (2010, August). *Understanding How the Brain Detects Threats*. Presented at MathFest, Pittsburgh, PA.

Leventhal, B., Lowenstein, K., Drouin, K., Dowman, R., Fowler, K. (2010, July). *Understanding How the Brain Detects Threats*. Presented at Summer Symposium On Undergraduate Research, Potsdam, NY.

CONFERENCE WORKSHOPS (* indicates student)

Leventhal, B. C. (2024). *Understanding Bayesian: An introduction to key concepts*. Workshop presented at the 2024 Annual Convention for Psychological Sciences (APS). San Francisco, CA.

Leventhal, B. C. & McFadden, M. (2023, December 3). *Reliability and Validity Evidence for Assessment*. Workshop presented at the 2023 Annual Meeting of the Southern Association of Colleges and Schools Commission on Colleges (SASCOC), Orlando, FL.

Leventhal, B. C. (2023, October 18). *An Introduction to key components of Bayesian inference*. Workshop presented at the Annual Meeting of the Northeastern Educational Research Association (NERA), Trumbull, CT.

Leventhal, B. C. (2023, August 2). *Introduction to Bayesian analysis*. A continuing education workshop presented at the 2023 annual convention of the American Psychological Association (APA), Washington, D. C.

Leventhal, B. C. (2023, May 25). *Understanding Bayesian*. Workshop presented at the 2023 Annual Convention of the Association for Psychological Science (APS), Washington, D.C.

Leventhal, B. C. (2023, April 12). *An introduction to Bayesian statistics*. Workshop presented at the 2023 Annual Meeting of the National Council on Measurement in Education (NCME), Chicago, IL.

Thompson, K. & Leventhal, B. C. (2022, December 3). *Best practices: Determining reliability and validity evidence*. Workshop presented at the 2022 Annual Meeting of the Southern Association of Colleges and Schools Commission on Colleges (SASCOC), Atlanta, GA.

Leventhal, B. C. (2022, August 7). *An introduction to item response theory*. Short course presented at the Joint Statistical Meetings (JSM). Washington, D.C.

Leventhal, B.C. & Ames Boykin, A. (2022, April). *Using SAS for Monte Carlo simulation studies in item response theory*. Workshop presented at the Annual Meeting of the National Council on Measurement in Education (NCME), San Diego, CA.

Leventhal, B. C. & *Thompson, K. (2021, December 3). *Concepts in practice: Reliability and validity of our assessment evidence*. Workshop presented at the 2021 Annual Meeting of the Southern Association of Colleges and Schools Commission on Colleges (SASCOC), Virtual Conference.

Leventhal, B.C. & Ames Boykin, A. (2021, June 8). *Using SAS for Monte Carlo Simulation Studies in Item Response Theory*. Workshop presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Virtual Conference.

Leventhal, B. C. & *Thompson, K. (2020, December 2). *Investigating the reliability and validity of our assessment evidence*. Workshop presented at the 2020 Annual Meeting of the Southern Association of Colleges and Schools Commission on Colleges (SASCOC), Virtual Conference.

Leventhal, B. C. (2020, June 11). *Making reliable and valid score interpretations from assessment instruments*. Workshop presented at the Association for the Assessment of Learning in Higher Education (AALHE) Annual Assessment Conference, Virtual Conference.

Leventhal, B. C. & Ames, A. J. (2020, April). *Using SAS for Monte Carlo simulation studies in item response theory*. Workshop presented at the Annual Meeting of the National Council on Measurement in Education (NCME), San Francisco, CA. (Conference Cancelled)

Leventhal, B.C. & Hathcoat, J.D. (2019, December 7). *Reframing assessment evidence: How evidence should be used to make valid and reliable interpretations of assessment data*. Workshop presented at the 2019 Annual Meeting of the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), Houston, TX.

Leventhal, B.C. & Hathcoat, J.D. (2019, October). *Supporting the interpretations and uses of assessment scores: What reliability and validity mean and why they are necessary*. Workshop presented at the 2019 Assessment Institute in Indianapolis, Indianapolis, IN.

Leventhal, B. C. & *Thompson, K. (2019, June). *Intended inferences and uses of scores: How to assess reliability and know what validity evidence to collect*. Skill development workshop presented at the Association for the Assessment of Learning in Higher Education (AALHE) Annual Assessment Conference, St. Paul, MN.

*Gregg, N. & Leventhal, B. C. (2019, April). *Tips and tricks to effectively communicate results: Best practices in data visualization*. Workshop presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Toronto, Canada.

Leventhal, B. C. & Ames, A. J. (2019, April). *Using SAS for Monte Carlo simulation studies in item response theory*. Workshop presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Toronto, Canada.

*Gregg, N. & Leventhal, B. C. (2018, October). *A SASsy Approach to best practices in data visualization*. Workshop presented at the Annual Meeting of the Northeastern Educational Research Association (NERA), Trumbull, CT.

Leventhal, B. C. & Horst, S.J. (2018, July). *Statistics refresher boot camp workshop: Development of an active learning environment*. Invited workshop presented at the International Conference on Teaching Statistics 10, Kyoto, JP.

Stone, C. A., & Leventhal, B.C. (2018, April). *Bayesian analysis of response style IRT models using SAS PROC MCMC*. Workshop presented at the Annual Meeting of the National Council on Measurement in Education (NCME), New York, NY.

INVITED WORKSHOPS/SHORT COURSES (* indicates student)

Leventhal, B. C. (2021, October 23). *Item response theory: an introduction and overview*. Short course presented to the Southern California Chapter of the American Statistical Association (ASA's Traveling Course Series), Virtual.

Leventhal, B. C. (2021, October 8-9). *Item response theory: an introduction and overview*. Short course presented to the San Francisco Bay Area Chapter of the American Statistical Association (ASA's Traveling Course Series), Virtual.

Leventhal, B. C. (2021, September 10). *Item response theory: an introduction and overview*. Short course presented to the Florida Chapter of the American Statistical Association (ASA's Traveling Course Series), Virtual.

Snyder, S., Hornsby, T., Leventhal, B., & Huber, H. (2021, May). *Better when we work together: Effective collaboration between BCBAs and school psychologists*. Presentation for behavior analysts working in Virginia Public Schools. Virginia Public Schools Behavior Analyst Support Network, Virtual.

Leventhal, B. C., Horst, S. J., *Gregg, N. & *Thompson, K. N. (2019, August). *Statistics refresher boot camp*. Three-day workshop on graduate-level introductory statistics for graduate students and faculty at James Madison University, Harrisonburg, VA.

*Thompson, K. & Leventhal, B. C. (2019, April). *Defining "checking for understanding"*. Workshop presented to the Learning Centers at James Madison University, Harrisonburg, VA.

Leventhal, B.C. & Ames, A.J. (2019, March). *Using SAS for Monte Carlo simulation studies in item response theory*. Invited workshop at the University of Arkansas, Fayetteville, AR.

*Gregg, N. & Leventhal, B.C. (2019, March). *Tips and tricks to effectively communicate results: Best practices in data visualization*. Invited workshop at the University of Arkansas, Fayetteville, AR.

Horst, S. J., *Perkins, B. A., & Leventhal, B. C. (2018, August). *Statistics refresher boot camp*. Three-day workshop on graduate-level introductory statistics for graduate students and faculty at James Madison University, Harrisonburg, VA.

Leventhal, B.C., Schubert, L. K., Trybus, M. & Fahrney, J., Hoang, C. Q. (2018, May). *Learning Centers assessment workshop: Developing common content*. Workshop presented to the Learning Centers at James Madison University, Harrisonburg, VA.

Leventhal, B.C. & Ames A. J. (2017, October). *Logarithms, transformations, and calculus. Oh my!* Workshop presented at the Center for Assessment and Research Studies, Harrisonburg, VA.

Horst, S. J., *Sauder, D., & Leventhal, B. C. (2017, August). *Statistics refresher boot camp*. Three-day workshop on graduate-level introductory statistics for graduate students and faculty at James Madison University, Harrisonburg, VA.

INVITED TALKS AND PRESENTATIONS (* indicates student)

*Mehou, J. M., Leventhal, B. C., *Hunsberger, J., Bao, Y., (2024, April). *Using an IRTree to investigate examinee level predictors of disengagement*. Presentation at Graduate Psychology Symposium at James Madison University, Harrisonburg, VA.

*Gilmore, J., Bao, Y., *Henriques, J., Leventhal, B. (2024, April). *Identifying patterns of disengagement in a low-stakes assessment*. Presentation at Graduate Psychology Symposium at James Madison University, Harrisonburg, VA.

*Henriques, J., Leventhal, B., *Gilmore, J., & Bao, Y. (2024) *The impact of time of day on motivation and performance for a university low-stakes assessment*. Presentation at Graduate Psychology Symposium at James Madison University, Harrisonburg, VA.

- *Hunsberger, J., & Leventhal, B. (2024, April). *Evaluating the efficacy of the IRTree model for Disengagement. Presentation at Graduate Psychology Symposium at James Madison University, Harrisonburg, VA.*
- Leventhal, B. C. (2023, September). *What is quantitative psychology and why are there so many jobs?* Invited presentation for the Psi Chi club at Southern Utah University, Cedar City, UT.
- Leventhal, B. C. (2023, January 26). *How internships support graduate education.* Invited talk for NCME Certification and Licensure SIGIMIE's webinar on internships in credentialing, Virtual.
- Leventhal, B. C. & *Schaefer, K. (2022, October). *What is quantitative psychology?* Invited talk for Applications of Psychology at Washington & Lee University, Lexington, VA.
- Leventhal, B. C. (2022, July 7). *Understanding academic positions.* Invited presentation for the Psychometric Internship Collective, Virtual.
- *LeRoy, S. K., Leventhal, B. C., Boykin, A. A., & Bandalos, D. L. (2022, April). *The role of funnel items on response styles.* Paper presented at James Madison University's Graduate Showcase, Harrisonburg, VA.
- Leventhal, B. C., *Dawkins, A., *Meade, H., & *Swap, T., (2021, December 4). *Graduate school panel.* Panel session at the Shenandoah Undergraduate Mathematics and Statistics (SUMS), Virtual Presentation.
- *Lewis, J. M. & Leventhal, B. C., (2021). *Information literacy learning during the pandemic.* Presented as part of the Student Internship Research Symposium hosted by the Center for Assessment and Research Studies at James Madison University, Virtual.
- *Trinh, A. D., *Thompson, K. N., & Leventhal, B. C. (2021). *Determining the effects of COVID-19 on the structure of the critical thinking disposition and intellectual humility scales through confirmatory factor analysis.* Presented as part of the Student Internship Research Symposium hosted by the Center for Assessment and Research Studies at James Madison University, Virtual.
- Bandalos, D., Jones, P., Mittapalli, K., Rubright, J. & Verges, V. (2021, June 1). In B. C. Leventhal (Moderator), *Debating the training of future measurement professionals.* Panel presented at the Annual Meeting of the National Council on Measurement in Education (NCME), Virtual Conference.
- Leventhal, B.C. (2021, March 2). *Understanding reliability and validity evidence to support the interpretations and uses of assessment scores.* Webinar presented to the Association for the Assessment of Learning in Higher Education (AALHE), Virtual Presentation.
- Leventhal, B. C., *Meade, H., & Coleman, T. (2020, December 5). *Graduate school panel.* Panel session at the Shenandoah Undergraduate Mathematics and Statistics (SUMS), Virtual Presentation.
- Wasyk, R., Leventhal, B. C., Scott, L., & Ford, R. (2020, December 5). *Career panel.* Panel session at the Shenandoah Undergraduate Mathematics and Statistics (SUMS), Virtual Presentation.
- Clauser, A., Leventhal, B. C., Lottridge, S. & Smith, K. (2020, October 15). *Navigating the in-person or virtual interview process.* In B. Perkins (Chair), *GSIC Session [Panel]*. The Annual Meeting of the Northeastern Educational Research Association (NERA), Virtual Presentation.

- Leventhal, B. C. (2020, October 9). *What are quantitative psychology, measurement, and assessment?* Invited talk for Applications of Psychology at Washington & Lee University, Virtual.
- *Herr, R. & Leventhal, B.C. (2020, September 18). *Longitudinal growth of students' information literacy skills at JMU*. Presented as part of the Student Internship Research Symposium hosted by the Center for Assessment and Research Studies at James Madison University, Virtual.
- Leventhal, B. C. (2020, September 8). *The fields of quantitative psychology and educational/psychological measurement*. Invited talk to the Data Analytics Through Applied Statistics club at the University of Pittsburgh, Virtual.
- Ames, A. J., Depaoli, S., Leventhal, B. C., Middleton, K., & Willse, J. (2020, July 23). *Recruiting students for the measurement profession*. Panel session for the Special Interest Group in Measurement in Education of the National Council on Measurement in Education (NCME), Virtual Presentation.
- *Gregg, N. & Leventhal, B.C. (2020, April). *Rating scale issues: Investigating the stability of extreme response style*. Presented as part of the CARS Talk Symposium Series at James Madison University, Harrisonburg, VA.
- Leventhal, B. C. (2019, October 28). Assessment and measurement and quantitative psychology: What are they and why study each? [Webinar]. *Kenyon College Institutional Effectiveness Office*.
- Hathcoat, J., *Blanco Murakoshi, D., Leventhal, B.C., & *Shapovalov, Y. (2019, October). *Using item analysis to improve assessment instruments*. Presented as part of the CARS Talk Symposium Series at James Madison University, Harrisonburg, VA.
- *Gregg, N. & Leventhal, B.C. (2019, October). *Evidence of a two-stage response process from adaptive Likert items*. Presented as part of the CARS Talk Symposium Series at James Madison University, Harrisonburg, VA.
- *Thompson, K. & Leventhal, B.C. (2019, October). *Interpreting distractor functioning: the paradigm does matter*. Presented as part of the CARS Talk Symposium Series at James Madison University, Harrisonburg, VA.
- Leventhal, B. C. & *Thompson, K. (2018, November). *What is quantitative psychology?* Invited talk for Applications of Psychology at Washington & Lee University, Lexington, VA.
- *Zapparrata, N., Ames, A. J., & Leventhal, B.C. (2018, October). *Detection of differential item functioning in the Ethical Reasoning Identification Test*. Presented as part of the CARS Talk Symposium Series at James Madison University, Harrisonburg, VA..
- *Thompson, K., *Craig, B., Leventhal, B.C., & Horst, S. J. (2018, October). *Let's talk about attitudes: What predicts first-year oral communication competence?* Presented as part of the CARS Talk Symposium Series at James Madison University, Harrisonburg, VA.
- Leventhal, B.C. (2018, September). *Reliability and validity: Assessment and measurement in action*. Invited talk at the Networked Learning Initiatives at Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA.

- Leventhal, B.C. (2018, September). *Item response theory: A conceptual understanding*. Invited talk to Statistical Applications and Innovations Group (SAIG) at Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA.
- Horst, S. J. & Leventhal, B.C. (2018, July). *Connecting two ends of the spectrum: An opportunity for faculty development in assessment*. Invited talk at Kyoto University, Kyoto, JP.
- Leventhal, B. C. (2017, December). *What is quantitative psychology?* Invited talk for Statistical Honors at the Department of Statistics at the University of Pittsburgh. Pittsburgh, PA.
- Leventhal, B. C. (2017, December). *Learning improvement in higher education*. Invited talk for Discipline-Based Science Education Research Center. Pittsburgh, PA.
- Leventhal, B., Fu, X., & Fowler, K. (2011, April). *Comparing Analytic and Simulation Based Approaches to Determining Thermal Conductivities*. Presented at the Center for Environment at Clarkson Annual Symposium, Potsdam, NY.
- Leventhal, B., Fu, X., & Fowler, K. (2010, October). *Comparing Analytic and Simulation Based Approaches to Determining Thermal Conductivities*. Presented at St. Lawrence Mathematics Symposium, Potsdam, NY.
- Leventhal, B. & Fowler, K. (2010, September). *Mathematical Approach to Threat Detection in the Brain*. Poster presented at AWM Dessert Reception, Potsdam, NY.
- Leventhal, B. & Fowler, K. (2010, April). *Parameter estimation study for 1-D heat transport in the shallow subsurface*. Poster presented at Center for Environment at Clarkson Annual Symposium, Potsdam, NY.

HONORS AND AWARDS

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| 2024 | Outstanding Teaching, The Psychology Graduate Student Council, James Madison University (student selected award) |
| 2022 | Jason Millman Promising Measurement Scholar Award, National Council on Measurement in Education (NCME) |
| 2022 | Outstanding Service Award presented by NCME in recognition of outstanding service as 2022 Program Co-Chair |
| 2021 | Outstanding Junior Faculty Award (AY 2019-2020), Department of Graduate Psychology, James Madison University. |
| 2021 | Outstanding Service Award presented by NCME in recognition of outstanding service as NCME Website Master 2018-2021 |
| 2020 | Outstanding Junior Faculty Award (AY 2018-2019), Department of Graduate Psychology, James Madison University. |
| 2019 | International Society for Quality of Life Research 2019 New Investigator Poster Award finalist |
| 2019 | NCME Award presented at the Annual Meeting in recognition of outstanding service, creative excellence, and technical expertise in developing the new NCME website |
| 2019 | Honorable Mention, Ethical Reasoning In Action: It's Complicated case competition; Leventhal, B.C. (2019) <i>Energize Virginia</i> |
| 2019 | Outstanding Junior Faculty Award (AY 2017-2018), Department of Graduate Psychology, James Madison University. |
| 2018 | NCME Certificate of Appreciation in recognition of outstanding service, creative excellence, technical expertise, and dedication to providing value |

- 2017 Top 10 2017 Cover Graphic/Data Visualization Competition; Leventhal, B., Grabovsky, I. & Wainer, H. (2017). Grading on a curve: minimizing the error of classification graphically. *Educational Measurement: Issues and Practice*
- 2016 AERA Top 10 most read articles of 2015 in *Review of Research in Education*
- 2012 Outstanding Teaching Assistant, Department of Statistics, University of Pittsburgh
- 2011 Miller/Davis Service Award Department of Mathematics, Clarkson University
- 2011 Pi Mu Epsilon – US Honorary National Mathematics Society
- 2010 Outstanding Speaker, MathFest, Pittsburgh, PA

GRANTS AND FUNDED PROJECTS

- 2023 Leventhal, B. C. & Finney, S. *Creation of pedagogical tools for students and faculty to address diversity, equity, and inclusion in assessment and critical quantitative methods.* Funded by the College of Health and Behavioral Studies at James Madison University (\$4,998).
- 2022 Leventhal, B. C.: *Development of two advanced quantitative methods courses using SAS.* Funded by the College of Health and Behavioral Studies at James Madison University (\$3,058).
- 2021 – 2022 Snyder, S., Hornsby, T., Huber, H., & Leventhal, B. C.: *Understanding pre-professional students' perceptions on interprofessional collaboration within Virginia school psychology and BCBA training programs.* Funded by 4-VA (\$4,900 + \$1,700 in Complementary Funds).
- 2021 Leventhal, B. C.: *Prompting student motivation.* Funded by Division D of the American Educational Research Association (\$2,800).
- 2019 – 2020 Leventhal, B. C.: *Enhancing teaching and learning with SAS.* Funded by the College of Health and Behavioral Studies at James Madison University (\$4,743).
- 2018 – 2021 Leventhal, B. C.: *New tools for increasing recruitment into the educational measurement field.* Funded by the NCME Mission Fund (\$5,998).
- 2018 – 2020 Leventhal, B.C. & Van Mullekom, J.: *FLIPC²LAS (Facilitating Learning through Innovative Practices in the teaching of Communication for Collaboration in Laboratories for Assessment and Statistics).* Funded by 4-VA (\$5,000)
 Van Mullekom, J. & Leventhal, B.C.: *FLIPC²LAS (Facilitating Learning through Innovative Practices in the teaching of Communication for Collaboration in Laboratories for Assessment and Statistics).* Funded by 4-VA (Additional \$5,000 in Complementary Funds)
- 2017 – 2018 Leventhal, B. C., Horst, S. J., Ford, K.: *Stats refresher boot camp workshop: Sharing what we've learned and how to do it yourself.* Funded by 4-VA (\$5,000)
- 2016 – 2017 Leventhal, B & Pfenning, N.: *Creating a Comprehensive Bank of Assessments for Use in Applied Statistical Methods.* Funded by: Discipline-Based Science Education Research Center (\$10,000)
- 2016 Leventhal, B & Stone, C.A.: *Extreme Response Style: Which Model is Best?* Funded by: University of Pittsburgh Student/ Student & Faculty Research Fund

- 2010 – 2011 Fowler, K., Leventhal, B., & Fu, X.: *Understanding the Impact of Boundary and Initial Condition Errors on the Solution to a Thermal Conductivity Inverse Problem*. Clarkson University. Funded by: US Army Corps of Engineers Waterways Experimentation Station
- 2010 Fowler, K., Dowman, R., Leventhal, B., & Drouin, K.: *Artificial Neural Network Models of the Brain Mechanisms of Threat Detection and Orienting*. Undergraduate Studies in Biology and Mathematics (UBM). Clarkson University. Funded by: National Science Foundation (NSF)
- 2009 Fowler, K. & Leventhal, B.: *Parameter Estimation Study for 1-D Heat Transport in the Shallow Subsurface*. Funded by: US Army Corps of Engineers Waterways Experimentation Station

PROFESSIONAL DEVELOPMENT GRANTS

- 2022 College of Health and Studies Mini Grant, James Madison University (\$447)
- 2019 International Development Grant (Toronto, Canada), Center for Global Engagement, James Madison University (\$500)
- 2018 College of Health and Behavioral Studies Mini Grant, James Madison University (\$218)
- 2018 International Development Grant (Kyoto, Japan), Center for Global Engagement, James Madison University (\$500)
- 2017 Kevin H. Kim Memorial Travel Grant, Research Methodology, University of Pittsburgh (\$1000)
- 2017 Department of Psychology in Education Travel Grant, University of Pittsburgh. (\$1000)
- 2016 Kevin H. Kim Memorial Travel Grant, Research Methodology, University of Pittsburgh (\$1000)
- 2015 Kevin H. Kim Memorial Travel Grant, Research Methodology, University of Pittsburgh (\$1000)

PROFESSIONAL DEVELOPMENT CERTIFICATES

- 2020 Certificate of Completion in recognition of successful completion of Team Excellence workshop series.
- 2019 Certificate of Completion in recognition of successful completion of the Emerging Leaders workshop series.

PROFESSIONAL SERVICE AND APPOINTMENTS

- 2023 – 2026 Board of Directors: Northeastern Educational Research Association (NERA)
- 2022 – 2024 Editor: Instructional Topics in Educational Measurement Series (ITEMS)
- 2022 – 2024 APA's Committee on Psychological Tests and Assessment - BEA/BSA Member (representing educational testing)
- 2022 – 2025 NCME Graduate Student Issues Committee (GSIC), faculty representative
- 2021 – 2024 AERA Division D Nominations Committee - member
- 2021 – 2022 NCME 2022 Annual Conference Program Co-Chair (April 2022 Conference)
- 2020 – 2021 Educators of Measurement SIGIMIE (NCME) – Chair
- 2018 – 2021 Editor: NCME Website
- 2018 – 2021 Co-Chair of NCME Website Committee
- 2018 – 2021 NCME Digital Presence Committee - member
- 2017 – 2022 Assessment liaison to General Education at James Madison University
- 2017 – 2020 Assessment liaison to the Learning Centers at James Madison University
- 2015 – Present Ad hoc reviewer for several journals and conferences

2017 – 2018 NCME Website Committee - member
2015 – 2017 Chair of NCME Graduate Student Issues Committee (GSIC)
2016 PASA Standard Setting Outside Reviewer
2015 – 2017 NCME Graduate Student Issues Committee (GSIC) - member
2013 – 2015 Student Representative on NCME Career Contribution Award Committee

PROFESSIONAL ORGANIZATIONS

National Council on Measurement in Education (NCME)
Northeast Educational Research Association (NERA)
American Educational Research Association (AERA)
 AERA Division D: Measurement and Research Methodology
 AERA Special Interest Group: Measurement and Assessment in Higher Education
Association of Psychological Sciences (APS)
American Psychological Association (APA)
American Statistical Association (ASA)