

# DENA A. PASTOR

JAMES MADISON UNIVERSITY

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## PROFESSIONAL EXPERIENCE

2017-present	<b>Associate Director of Assessment Operations</b> , Center for Assessment & Research Studies <i>James Madison University</i>
2014-present	<b>Professor</b> , Department of Graduate Psychology <i>James Madison University</i>
2009-2013	<b>Associate Professor</b> , Department of Graduate Psychology <i>James Madison University</i>
2002-2017	<b>Assessment Specialist</b> , Center for Assessment & Research Studies <i>James Madison University</i>
2002-2008	<b>Assistant Professor</b> , Department of Graduate Psychology <i>James Madison University</i>
2001-2002	<b>Psychometrician</b> <i>Harcourt Educational Measurement</i>
1999-2001	<b>Research Associate</b> <i>Pro-Ed: An International Publisher</i>

## EDUCATION

2021	<b>Ph.D. Educational Psychology, Quantitative Methods Concentration</b> <i>University of Texas at Austin</i>
1995	<b>B. A. Psychology</b> <i>University of Texas at Austin</i>

## HONORS & AWARDS

2021	<b>Distinguished Service Award</b> , Department of Graduate Psychology <i>James Madison University</i>
2017	<b>Outstanding Contributions in Teaching Award</b> , Psychology Graduate Student Council <i>James Madison University</i>
2014	<b>Distinguished Teaching Award</b> , Department of Graduate Psychology <i>James Madison University</i>
2012	<b>Provost Award for Excellence in Graduate Advising</b> , Provost and VP for Academic Affairs <i>James Madison University</i>
2011	<b>Outstanding Contributions in Teaching Award</b> , Psychology Graduate Student Council <i>James Madison University</i>
2010	<b>Distinguished Teaching Award</b> , Department of Graduate Psychology <i>James Madison University</i>
2009	<b>Distinguished Scholar Award</b> , Department of Graduate Psychology <i>James Madison University</i>

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**GRADUATE TEACHING EXPERIENCE**


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Most recent	No. semesters	Course
2025	22	Data Management & Analysis (R, SAS)
2025	12	Multilevel Modeling
2022	5	Categorical Data Analysis
2009	6	Measurement Theory
2006	3	Research Design & Inferential Statistics

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**PUBLICATIONS**


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\* Indicates student co-author

**Examinee Motivation & Low-Stakes Testing**

- Finney, S. J., & **Pastor**, D. A., & \*Herr, R. K. (in press). The utility of perceived normativity to understand examinee effort on low-stakes assessments. *International Journal of Testing*.  
<https://doi.org/10.1080/15305058.2025.2530928>
- Finney, S. J., & **Pastor**, D. A. (in press). Perceived normativity of giving effort on low-stakes tests: Relations with examinee effort and test performance. *Educational Assessment*.  
<https://doi.org/10.1080/10627197.2025.2474395>
- Finney, S. J., & **Pastor**, D. A. (in press). Priming non-compliant students to expend test-taking effort: How many primes are needed? *The Journal of Experimental Education*.  
<https://doi.org/10.1080/00220973.2025.2459392>
- Leventhal, B., & **Pastor**, D. A. (2024). An illustration of an IRTree model for disengagement. *Educational and Psychological Measurement*, 84(4), 810-834. <https://doi.org/10.1177/00131644231185533>
- Pastor**, D. A., \*Patterson, C. R., & Finney, S. J. (2023). Development and internal validity of the Student Opinion Scale: A measure of test-taking motivation. *Journal of Psychoeducational Assessment*, 41(2), 209-255. <https://doi.org/10.1177/07342829221140957>
- \*Ong, T. Q., & **Pastor**, D. A. (2022). Uncovering the complexity of item position effects in a low-stakes testing context. *Applied Psychological Measurement*, 46(7), 571-588.  
<https://journals.sagepub.com/doi/10.1177/01466216221108134>
- \*Perkins, B. A., **Pastor**, D. A., & Finney, S. J. (2021). Between- versus within-examinee variability in test-taking effort and test emotions during a low-stakes test. *Applied Measurement in Education*, 34(4), 285-300. <https://doi.org/10.1080/08957347.2021.1987905>
- Pastor**, D. A., \*Ong, T. Q., & \*Strickman, S. N. (2019). Patterns of solution behavior across items in low-stakes assessments. *Educational Assessment*, 24(3), 189-212. <https://doi.org/10.1080/10627197.2019.1615373>
- Wise, S. L., **Pastor**, D. A., & \*Kong, X. J. (2009). Correlates of rapid-guessing behavior in low stakes testing: Implications for test development and measurement practice. *Applied Measurement in Education*, 22, 185-205. <https://doi.org/10.1080/08957340902754650>

### Higher Education Assessment & Research

- Pastor**, D. A., & Goldberg, A. (2024). Assessing a campus-wide civic engagement initiative. In L. C. Bell, A. Rank, & C. O. Whaley (Eds.), *Civic Pedagogies: Teaching Civic Engagement in an Era of Divisive Politics* (pp. 359 - 372). Palgrave Macmillan. [https://doi.org/10.1007/978-3-031-55155-0\\_20](https://doi.org/10.1007/978-3-031-55155-0_20)
- Whaley, C. O., **Pastor**, D. A., & Goldberg, A. (2024). Counting on higher education: Teaching and assessing knowledge and participation in the 2020 Census. *Journal of Higher Education Outreach and Engagement*, 28(1), 27-43. <https://openjournals.libs.uga.edu/jheoe/article/view/3965>
- Pastor**, D. A., \*Patterson, C. R., & Goldberg, A. (2024). Political participation profiles in a college student population. *Research and Practice in Assessment*, 18(2), 6-19. <https://www.rpajournal.com/dev/wp-content/uploads/2024/02/Political-Participation-Profiles-in-a-College-RPA.pdf>
- Goldberg, A., **Pastor**, D. A., & Whaley, C. O. (2022). Let's get political: Co-creating and assessing civic learning and assessment. *PS: Political Science & Politics*. <https://doi.org/10.1017/S1049096521001694>
- Chod, S. M., Goldberg, A., Muck, B., **Pastor**, D., & Whaley, C. O. (2021). Can we get an upgrade?: How two college campuses are building the democracy we aspire to be. In E. C. Matto, A. R. M. McCartney, E. A. Bennion, A. Blair, T. Sun, & D. Whitehead (Eds.), *Teaching Civic Engagement Globally*, America Political Science Association.
- Finney, S. J., **Pastor**, D. A., \*Silver, S. (2023). Students' understanding of assessment for institutional accountability and improvement: Relation with test-taking effort and remote test administration. *Research and Practice in Assessment*, 18(1), 5 - 18. <https://www.rpajournal.com/students-understanding-of-assessment-for-institutional-accountability-and-improvement-relation-with-test-taking-effort-and-remote-test-administration/>
- \*Schaefer, K., \*Harmon, S. & **Pastor**, D. A (2022). Examinee perspectives on unproctored internet testing. *Research and Practice in Assessment*, 17(1), 69-78. <https://www.rpajournal.com/examinee-perspectives-on-unproctored-internet-testing/>
- Pastor**, D. A., & Love, P. (2020, Fall). University-wide Assessment during Covid-19: An opportunity for innovation. *Intersection: A Journal at the Intersection of Assessment and Learning*, 2(1).
- Pastor**, D. A., \*Foelber, K. J., \*Jacovidis, J. N., Fulcher, K. H., \*Sauder, D. C., & Love, P. D. (2019). University-wide Assessment Days: The James Madison University model. *The Association for Institutional Research (AIR) Professional File, Article 144*, 1-13
- Pastor**, D. A., \*Ong, T. Q., & Orem, C. D. (2018). Categorizing college students based on their perceptions of civic engagement activities: A latent class analysis using the social agency scale. *Research & Practice in Assessment*, 13, 5-21.
- \*Sauder, D. C., \*Foelber, K. J., \*Jacovidis, J. N., & **Pastor**, D. A. (2016, Summer). Utilizing technology in data collection. *Intersection*, The newsletter of the Association for the Assessment of Learning in Higher Education, 7-9.
- Pastor**, D. A., \*Kaliski, P. K., & \*Weiss, B. A. (2007). Examining college students' gains in general education. *Research & Practice in Assessment*, 1, 1-20.

- \*Taylor, M. A., & **Pastor**, D. A. (2007). A confirmatory factor analysis of the Student Adaptation to College Questionnaire. *Educational & Psychological Measurement*, 67, 1002-1018.  
<https://doi.org/10.1177/0013164406299125>
- Pastor**, D. A., Barron, K. E., \*Miller, B. J., & \*Davis, S. L. (2007). A latent profile analysis of college students' achievement goal orientation profiles. *Contemporary Educational Psychology*, 32, 8-47.  
<https://doi.org/10.1016/j.cedpsych.2006.10.003>
- Halonen, J., Harris, C. M., **Pastor**, D. A., Abrahamson, C. E., & Huffman, C. J. (2005). Assessing general education outcomes in introductory psychology. In D. S. Dunn and S. Chew (Eds.), *Best Practices in Teaching Introduction to Psychology*. Mahwah, NJ: Lawrence Erlbaum Associates, Inc.
- Psychometrics & Quantitative Methods**
- Pastor**, D. A., & Erbacher, M. K. (2019). Cluster analysis. In G. R. Hancock, L. M. Stapleton, & R. O. Mueller (Eds.), *The Reviewer's Guide to Quantitative Methods in the Social Science (2<sup>nd</sup> Ed.)*. New York, NY: Routledge.
- Pastor**, D. A., & \*Lazowski, R. A. (2017). On the multilevel nature of meta-analysis: A tutorial, comparison of software programs, and discussion of analytic choices. *Multivariate Behavioral Research*, 52(6), 789-804. <https://doi.org/10.1080/00273171.2017.1365684>
- Pastor**, D. A., & Finney, S. J. (2015). Promoting the use of path diagrams in quantitative research. In M. T. McCrudden, G. Schraw, & C. W. Buckendahl (Eds.), *Use of visual displays in research and testing: Coding, interpreting, and reporting data* (pp. 111 – 144). Charlotte, NC: Information Age.
- Pastor**, D. A., & Finney, S. J. (2014). Quantitative psychology. In J. G. Irons & R. L. Miller (Eds.), *Academic Advising: A Handbook for Advisors and Students Volume 2: A guide to the sub-disciplines*. Retrieved from the Society for the Teaching of Psychology web site: <http://teachpsych.org/ebooks/academic-advising-2015-vol2>
- \*Taylor, M. A. & **Pastor**, D. A. (2013). An application of generalizability theory to evaluate the technical quality of an alternate assessment. *Applied Measurement in Education*, 26, 279-297.  
<https://doi.org/10.1080/08957347.2013.824450>
- Pastor**, D. A., & Finney, S. J. (2013). Using visual displays to enhance understanding and interpretation of quantitative research. In G. Schraw, M. McCrudden, & D. Robinson (Eds.), *Learning Through Visual Displays* (pp. 387 – 415). Charlotte, NC: Information Age.
- Pastor**, D. A., & Gagné, P. (2013). Mean and covariance structure mixture models. In G. R. Hancock & R. O. Mueller (Eds.), *Structural Equation Modeling: A Second Course (2<sup>nd</sup> Ed.)*. Greenwich, CT: Information Age.
- Finney, S. J., & **Pastor**, D. A. (2012). Attracting students to the field of measurement. *Educational Measurement: Issues and Practice*, 31, 2-7.
- Pastor**, D. A. (2010). Cluster analysis. In G. R. Hancock & R. O. Mueller (Eds.), *The Reviewer's Guide to Quantitative Methods in the Social Science*. New York, NY: Routledge.
- Pastor**, D. A., & Beretvas, S. N. (2006). Longitudinal Rasch modeling in the context of psychotherapy outcomes assessment. *Applied Psychological Measurement*, 30, 100-120.  
<https://doi.org/10.1177/0146621605279761>

- Pastor**, D. A. (2003). The use of multilevel IRT modeling in applied research: An illustration. *Applied Measurement in Education*, 16, 223-243.
- Beretvas, S. N. & **Pastor**, D. A. (2003). Using mixed-effects models in reliability generalization studies. *Educational & Psychological Measurement*, 63, 75-95. [https://doi.org/10.1207/S15324818AME1603\\_4](https://doi.org/10.1207/S15324818AME1603_4)
- Davis, L. L., **Pastor**, D. A., Dodd, B. G., Chiang, C., & Fitzpatrick, S. J. (2003). An examination of exposure control and content balancing restrictions on item selection in CATs using the partial credit model. *Journal of Applied Measurement*, 4, 24-42. <https://doi.org/10.1177/01421602026002003>
- Pastor**, D. A., Dodd, B. G., & Chang, H. H. (2002). A comparison of item selection techniques and exposure control mechanisms in CATs using the generalized partial credit model. *Applied Psychological Measurement*, 26, 147-163. <https://doi.org/10.1177/01421602026002003>

### Other

- Serpell, Z. N., Evans, S. W., Schultz, B. K., & **Pastor**, D. A. (2008). Incremental benefits of school-based treatment for adolescents with ADHD. *The ADHD Report*, 16, 1-7.
- \*Grove, A. B., Evans, S. W., **Pastor**, D. A., & \*Mack, S. D. (2008). A meta-analytic examination of follow-up studies of programs designed to prevent the primary symptoms of oppositional defiant and conduct disorders. *Aggression and Violent Behavior*, 13, 169-184.
- Evans, S. W., Serpell, Z. N., Schultz, B., & **Pastor**, D. A. (2007). Cumulative benefits of secondary school-based treatment of students with ADHD. *School Psychology Review*, 36, 256-273.
- Reid, R., Epstein, M. H., **Pastor**, D. A., & Ryser, G. R. (2000). Strength-based assessment differences across students with LD and EBD. *Remedial and Special Education*, 21, 346-355.

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### PRESENTATIONS

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- Finney, S. J., **Pastor**, D. A., & \*Herr, R. K. (2025, April). *The utility of perceived normative behavior to understand examinee effort on low-stakes assessments*. Paper presented at the annual meeting of the National Council for Measurement in Education, Denver, CO.
- Pastor**, D. A., & Finney, S. J. (2024, July). *Perceived normativity of giving effort on low-stakes tests: Measures and relations with examinee effort*. Paper presented at the International Testing Commission conference, Grenada, Spain.
- Finney, S. J., & **Pastor**, D. A. (2024, July). *The question-behavior effect in low-stakes testing contexts: How many questions are needed to increase effort from compliant and non-compliant examinees?* Paper presented at the International Testing Commission conference, Grenada, Spain.
- Leventhal, B., **Pastor**, D. A., & \*Satkus, P. (2022, April). *An illustration of an IRTree model for disengagement*. Paper presented at the annual meeting of National Council for Measurement in Education, San Francisco, CA.
- \*Perkins, B. A., **Pastor**, D. A., & Finney, S. J. (2022, April). *Between- versus within-examinee variability in test-taking effort and test emotions during a low-stakes test*. Paper presented at the annual meeting of National Council for Measurement in Education, San Francisco, CA.

- \*Silver, S., **Pastor**, D.A., & Finney, S. J. (2021, November). *College students' understanding of a university-wide Assessment Day*. Poster presented at the annual meeting of the Virginia Assessment Group, Virtual.
- \*Schaefer, K., \*Harmon, S. & **Pastor**, D. A (2021, October). *Examinee perspectives on unproctored internet testing*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Virtual.
- \*Ong, T. Q. & **Pastor**, D. A., (2021, June). *Using examinee characteristics to predict individual differences in item position effects*. Paper presented at the annual meeting of the National Council for Measurement in Education, Virtual.
- \*Ong, T. Q. & **Pastor**, D. A., (2020, April). *Are all cognitive items equally prone to position effects?* Paper presented at the annual meeting of the National Council for Measurement in Education, San Francisco, CA. (Conference Canceled).
- \*Perkins, B., **Pastor**, D. A. & Finney, S. J. (2020, Apr 17 - 21) *Examining the relations between emotions, importance, and expended effort during a low-stakes institutional accountability test* [Roundtable Session]. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA. <http://tinyurl.com/v7lboxoo> (Conference Canceled)
- Pastor**, D. A. (2019, November). *Using the Political Engagement Project Survey to understand change in college students' civic competency and engagement*. Presentation at the annual meeting of the Virginia Assessment Group, Richmond, VA.
- \*Patterson, C. R. & **Pastor**, D. A. (2019, October). *Political participation profiles in college student populations*. Paper presented at the annual conference of the Northeastern Educational Research Association, Trumbull, CT.
- Pastor**, D. A. (2018, November). *Civic engagement assessment: Considerations in measuring college students' political participation*. Paper presented at the annual meeting of the Virginia Assessment Group, Charlottesville, VA.
- \*Hartka, T., \*Miles, M.M., \*Jackson, K., & **Pastor**, D. (2018, November). *It does exist! Hunting for meaning in the NSSE*. Poster presented at the Engagement for the Public Good conference, Harrisonburg, VA.
- \*Miles, M.M., \*Hartka, T., \*Jackson, K., & **Pastor**, D. (2018, November). *It does exist! Hunting for meaning in the NSSE*. Poster presented at the Virginia Assessment Group conference, Charlottesville, VA.
- \*Ong, T. Q., **Pastor**, D. A., & Yang, S-T., (2018, April). *The effects of administering alerts at fixed points during a low-stakes test*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Pastor**, D. A., \*Ong, T. Q., & Orem, C. D. (2017, November). *College students' perceptions of civic engagement activities: An argument for distinguishing between political and non-political activities*. Paper presented at the annual meeting of the Virginia Assessment Group, Richmond, VA.
- Markle, R., **Pastor**, D. A., & Fernandez, G. (2017, June). *Civic competency and engagement: From theory to data, from data to understanding*. Mini-institute session provided at the 2017 Civic Learning and Democratic Meeting, Baltimore, MD.



- \*Campbell, K.T., \*Au, C.B., \*Sauder, D.C., & **Pastor**, D.A. (2016, November). *Computer-based assessment without the computer: Advantages and limitations*. Poster presented at the annual meeting of the Virginia Assessment Group, Richmond, VA.
- \*Strickman, S. N., **Pastor**, D. A., & \*Ong, T. Q. (2015, October). *Evaluating patterns of solution behavior at the item level in low-stakes assessments*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Trumbull, CT.
- Finney, S. J., & **Pastor**, D. A. (2015, May). *Using path diagrams to facilitate teaching "traditional" statistics*. Poster presented at the annual meeting of the Association for Psychological Science, New York, New York.
- Pastor**, D. A., \*Strickman, S. N., & \*Ong, T. Q. (2015, April). *Patterns of solution behavior across items in low-stakes assessments*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Pastor**, D. A., \*Johnston, M. M., & \*Swanson, M R. (2014, October). *Identifying examinees who guess on low-stakes tests: An application of the constrained HYBRID model*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Trumbull, CT.
- McGee, S., Durik, A. M., & **Pastor**, D. A. (2014, June). *The impact of text genre on science interest in an authentic science learning environment*. Paper presented at the International Conference of the Learning Sciences, Boulder, CO.
- \*Kopp, J. P., **Pastor**, D. A., & Patelis, T. (2013, October). *Examining school-level variation in the relationship between PSAT/NMSQT scores and AP examination grades*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- Finney, S. J., & **Pastor**, D. A. (2013, April). *Working with, not against, the principles of cognitive processing: The power of visual displays to convey statistical information*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- \*Gerstner, J. J., **Pastor**, D. A., & Finney, S. J. (2012, October). *Evaluating the psychometric properties of the Scale of Ethnocultural Empathy: A confirmatory factor analytic approach*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- Finney, S. J., & **Pastor**, D. A. (2012, April). *Attracting students to the field of measurement*. Paper presented at the annual meeting of the National Council on Measurement in Education, Vancouver, BC.
- Pastor**, D. A., & Barron, K. B. (2012, April). *Capturing the relationships between achievement goals and outcomes: Latent profile analysis versus multiple regression*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, BC.
- \*Gerstner, J. J., & **Pastor**, D. A. (2012, April). *Longitudinal invariance of the Scale of Ethnocultural Empathy*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, BC.
- \*Samonte, K. M., & **Pastor**, D. A. (2012, April). *Change in identity achievement during the college years: An HLM Analysis*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, BC.
- \*Marsh, R. K., \*Barry, C., **Pastor**, D. A., & Patelis, T. (2012, April). *Is change in participation related to change in performance? An application of simultaneous growth modeling*. Paper presented at the annual meeting of the National Council on Measurement in Education, Vancouver, BC.

- \*Marsh, R. K., & **Pastor**, D. A. (2011, November). *Apathy or indecision: An examination of characteristics that influence endorsement of a midpoint response*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- \*Gerstner, J. J., & **Pastor**, D. A. (2011, November). *A second look at the structural validity of the Scale of Ethnocultural Empathy: A replication*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- \*Samonte, K. M., & **Pastor**, D. A. (2011, November). *Continuous and categorical exploratory factor analyses of the Sense of Identity scale*. Poster presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- \*Gerstner, J. J., & **Pastor**, D. A. (2011, May). *A factor analytic study of the Scale of Ethnocultural Empathy*. Poster presented at the annual meeting of the Association for Psychological Science, Washington, D.C.
- \*Samonte, K. M., & **Pastor**, D. A. (2011, May). *An exploratory factor analysis of the Global Perspectives Inventory*. Poster presented at the annual meeting of the Association for Psychological Science, Washington, D.C.
- \*Marsh, R. K., & **Pastor**, D. A. (2011, May). *Stanovich and West's (2007) Actively Open-Minded Thinking Scale: An examination of factor structure*. Poster presented at the annual meeting of the Association for Psychological Science, Washington, D.C.
- Pastor**, D. A., \*France, M. K., \*Zilberberg, A., & Roberts, R. D. (2011, April). *Latent Profile Analysis of Test Anxiety: Are There Different Types of Test Anxious Examinees?* Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Pastor**, D. A., \*Gerstner, J. J., \*Samonte, K. M., & \*Marsh, R. K. (2011, March). *Assessing the intercultural maturity of JMU undergraduates*. Presented at James Madison University's annual Diversity Conference.
- Lee, M.R., **Pastor**, D.A., Wu, A., Yi, S., & Campbell, A. (2011, March). *How should faculty teach about diversity in the classroom?* Paper presented at the 25<sup>th</sup> Annual Conference on the Teaching of Psychology, March 26, 2011, Tarrytown, New York.
- \*Jurich, D. P., **Pastor**, D. A., & Goodman, J. T. (2010, October). *An application of multilevel modeling to investigate item features impacting comparability between a computer and paper based test*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- \*Zilberberg, A., **Pastor**, D. A., & Harnes, C. J. (2010, October). *Investigating a self-report instrument to detect autistic traits in a non-clinical population: Dimensionality of the short version of Autism-Spectrum Quotient (AQ-26)*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- Harris, C. M., Lee, M. R., Martino-McAllister, J., **Pastor**, D. A., Varga, K. (2010, October). *A 5-year follow-up: Assessing cognitive outcomes*. Presentation at the 2010 Best Practices Conference: Assessing Teaching and Learning in Psychology, Atlanta, GA.
- Lee, M. R., & **Pastor**, D. A. (2010, August). *Multicultural campus climate and discrimination: Impact in divergent ways*. Paper presented at the annual meeting of the American Psychological Association, San Diego, CA.



- Lee, M.R. & **Pastor**, D.A. (2010, February). *Challenges of campus diversity: Results from the JMU Campus Life Study 2009*. Presented at James Madison University in conjunction with the College of Integrated Science and Technology's Diversity Council, Harrisonburg, VA.
- \*Cid, J. A., **Pastor**, D. A., & Goodman, J. T. (2010, April). *Using explanatory item response models to examine the impact of linguistic features of a reading comprehension test on English language learners*. Paper presented at the annual meeting of the National Council on Measurement in Education, Denver, CO.
- \*Lau, A. R., & **Pastor**, D. A. (2010, April). *Application of a mixture IRT model to improve parameter estimates when some examinees are amotivated*. Paper presented at the annual meeting of the National Council on Measurement in Education, Denver, CO.
- \*Taylor, M. A. & **Pastor**, D. A. (2010, April). *An application of generalizability theory to evaluate the technical quality of an alternate assessment*. Paper presented at the annual meeting of the National Council on Measurement in Education, Denver, CO.
- Hulleman, C. S., **Pastor**, D. A., & Harackiewicz, J. M. (2010, March). *Trajectories of student interest*. Paper presented at the 2010 Biennial Meeting of the Society for Research on Adolescence, Philadelphia, PA.
- \*Zilberberg, A., & **Pastor**, D. A. (2009, October). *A mixed methods investigation into the functionality of the Willingness to Consider Contradictory Evidence Scale*. Poster presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- Harackiewicz, J. M., Hulleman, C. S., & **Pastor**, D. A. (2009, August). *Developmental trajectories of interest within semester-long courses in high school science and introductory psychology*. Paper presented at the European Association for Research on Learning and Instruction (EARLI) Biennial Conference, Amsterdam.
- \*Cotten, M. R., & **Pastor**, D. A. (2008, October). *A latent profile analysis of college students' health and wellness behaviors*. Poster presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- \*Barry, C. L., & **Pastor**, D. A. (2008, October). *Does the relationship between AP and SAT scores differ across high schools? A hierarchical approach*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- \*Jones, A. T., & **Pastor**, D. A. (2008, October). *Change in PSAT and SAT scores over time*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- Pastor**, D. A., Barron, K. E., \*Miller, B. J., & \*Davis, S. L. (2007, October). *A latent profile analysis of college students' achievement goal orientation*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- \*Lau, A. R., & **Pastor**, D. A. (2007, October). *Factor mixture models: Mixture modeling as a tool for studying measurement invariance*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- \*Lau, A. R. & **Pastor**, D. A. (2007, October). *A hierarchical linear model of variability in test motivation across students and within students across tests*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- \*Swerdzewski, P. J., & **Pastor**, D. A. (2007, October). *Students' nesting within high schools as a predictor of college GPA, worry, and confidence*. Poster presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.

- Pastor**, D. A., \*Lau, A. R., & \*Setzer, J. C. (2007, August). *Modeling item response profiles using factor models, latent class models, and latent variable hybrids*. Poster presented at the annual meeting of the American Psychological Association, San Francisco.
- Wise, S. L., \*Kong, X. J., & **Pastor**, D. A. (2007, April). *Understanding correlates of rapid-guessing behavior in low-stakes testing: Implications for test development and measurement practice*. Paper presented at the annual meeting of the National Council of Measurement in Education, Chicago.
- Pastor**, D. A., \*Kaliski, P. K., & \*Weiss, B. A. (2006, April). *A meta-analytic review of college students' gains in general education*. Paper presented at the annual meeting of the Association of American Educational Research Association, San Francisco.
- Pastor**, D. A. (2005, June). *Assessment of health and wellness in general education*. Paper presented at the Pacific Planning, Assessment and Institutional Research Conference, Honolulu.
- \*Taylor, M. A., & **Pastor**, D. A. (2005, May). *Adjustment to college as a predictor of first-year retention*. Paper presented at the annual meeting of the Association of Institutional Research, San Diego.
- \*Taylor, M. A., & **Pastor**, D. A. (2005, May). *A confirmatory factor analysis of the Student Adaptation to College Questionnaire*. Paper presented at the annual meeting of the Association of Institutional Research, San Diego.
- Pastor**, D. A., Barron, K. E., \*Miller, B. J., & \*Davis, S. L. (2004, April). *College students' achievement goal orientation profiles*. Paper presented at the annual meeting of the American Educational Research Association, San Diego.
- \*Davis, S. L., **Pastor**, D. A., & Barron, K. E. (2004, April). *Examining goal orientation similarities and differences among college majors: An HLM analysis*. Paper presented at the annual meeting of the American Educational Research Association, San Diego.
- Halonen, J., **Pastor**, D. A., Harris, C. Abrahamson, C., & Huffman, C. (2003, September). *Assessing general education outcomes in introductory psychology*. Presented at the annual meeting of Taking Off: Best Practices in Teaching Introductory Psychology, Atlanta.
- Pastor**, D. A., & Beretvas, S. N. (2003, April). *An illustration of longitudinal Rasch modeling in the context of psychotherapy outcomes assessment*. Paper presented at the annual meeting of the National Council of Measurement in Education, Chicago.
- \*Fairchild, A., **Pastor**, D. A., & Brennan, K. A. (2003, April). *Exploratory factor analysis of an adult attachment measure*. Poster presented at the annual meeting of the Virginia Psychological Association, Tyson's Corner, VA.
- \*Richarde, R. G., & **Pastor**, D. A. (2003, April). *Investigation of differential item functioning for African-American and Anglo-American college students in the modified Achievement Goal Questionnaire*. Poster presented at the annual meeting of the National Council of Measurement in Education, Chicago.
- Pastor**, D. A. (2002, April). *Application of multilevel IRT modeling to the study of self-esteem in adolescents*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans.
- Pastor**, D. A. (2002, February). *An introduction to reliability generalization*. Paper presented at the annual meeting of Southwest Educational Research Association, Austin.

- Pastor**, D. A., Dodd, B. G., & Chang, H. H. (2000, April). *A comparison of item selection techniques and exposure control mechanisms in CATs using the generalized partial credit model*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans.
- Davis, L. L., **Pastor**, D. A., Chiang, C., Dodd, B. G., Fitzpatrick, S. J. (2000, April). *An examination of exposure control and content balancing restrictions on item selection in CATs using the partial credit model*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans.
- Pastor**, D. A., Chiang, C., Dodd, B. G., & Yockey, R. D. (1999, April). *Performance of the Simpson-Hetter exposure control algorithm with a polytomous item bank*. Paper presented at the annual meeting of the American Educational Research Association, Montreal.

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#### KEYNOTE ADDRESSES, SYMPOSIA, SHORT-COURSES, PROFESSIONAL WORKSHOPS, WEBINARS, & BLOGS

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- Bertling, M., Casabianca, J., Chirstensen, W., Jarr, K., **Pastor**, D. A., Warner, Z. (2025, May). *The where, what, and how of the job market for measurement professionals*. Invited webinar for the National Council of Education in Measurement.
- Leon, B., **Pastor**, D. A., Alter, E., & Bart, M. (2024, October). *Fostering civic learning in K-12 and higher education: Perspectives from the field*. Invited panel presentation at annual meeting of the Northeastern Educational Research Association, Trumbull, CT.
- Pastor**, D. A. (2023, June). *When civic engagement assessment gets political*. Invited webinar for the Virginia Assessment Group.
- \*Garcia, L. M., Jones, J., & **Pastor**, D. A. (2022, April). *Development of the perception of obstetric violence in providers measurement tool: Content validity and item determination*. Poster presented at the annual meeting of the Western Institute of Nursing.
- Evans, R., Goldberg, A., Jorgenson, C., **Pastor**, D., Resmann, B., & Ryan, L. (2022, February). *Day of Dialogue: Civic Engagement*. One-day summit on civic learning and engagement hosted by the State Council of Higher Education in Virginia.
- Pastor**, D. A., \*Patterson, C. R., & Goldberg A. (2021, October). *Civic learning and democratic engagement: Results from the longitudinal assessment of three student cohorts*. Webinar presented at the Assessment Institute at Indiana University-Purdue University-Indianapolis.
- Britt, L., Goldberg, A., Hooker, A., Mabrey, P., Pastor, D., Trull, L., Ott Walter, K., & Ritter, R. (2021, June). *Hacking civic learning: Five programs & assessment strategies you'll wish you would have known about sooner*. Virtual workshop at the annual Civic Learning and Democratic Engagement meeting.
- Pastor**, D. A. (2021, May 24). When civic engagement assessment gets political. [Blog post]. AEFIS Academy. Retrieved from <https://www.aefisacademy.org/when-civic-engagement-assessment-gets-political/>
- Rank, A. D., **Pastor**, D. A., Norris, K., & Kerby, M. (2020, July). *Assessment and institutional capacity at a time of disruption*. Virtual workshop at the annual Civic Learning and Democratic Engagement meeting.
- Mabrey III, P. E., **Pastor**, D. A., & Peron, E. (2019, September). *Assessment & Research Panel*. Panel at the Debate for Civic Learning Institute, James Madison University, Harrisonburg, VA.
- Pastor**, D. A., & Goldberg, A. (2019, June). *Defining and assessing college students' political participation*. Workshop at the annual Civic Learning and Democratic Engagement meeting, Fort Lauderdale, FL.

- Pastor**, D. A., & \*Au, C. H. (2019, March). *An Introduction to Hierarchical Linear Modeling*. Workshop provided for the Center for Faculty Innovation, James Madison University, Harrisonburg, VA.
- Goldberg, A., Markle, R., & **Pastor**, D. A., (2018, June). *Civic engagement: From mission statements to meanings and measures*. Pre-conference workshop at the annual Civic Learning and Democratic Engagement meeting, Anaheim, CA.
- Markle, R., Weiss, H. A., & **Pastor**, D. A. (2017, October). *A house of civic engagement, A foundation for civic learning*. Webinar sponsored by Educational Testing Service and hosted by the Chronicle of Higher Education.
- Pastor**, D. A. (2017, January). *An Introduction to Hierarchical Linear Modeling*. Workshop provided at the January Symposium of the Center for Faculty Innovation, James Madison University, Harrisonburg, VA.
- Pastor**, D. A. (2014, August). *Modeling item response profiles using factor models, latent class models, and latent variable hybrids*. Webinar hosted by the Northeastern Educational Research Association.
- Courtney, R., Leusner, D., Keller, L., **Pastor**, D., & Steinberg, J. (2013). *Promoting fairness throughout the entire research process*. Invited session at the annual meeting of the Northeastern Educational Research Association.
- Pastor**, D. A. (2013, April). *Considerations in evaluating, selecting, and developing data sources and measures*. Institute of Education Sciences webinar delivered to members of Regional Educational Laboratories.
- Pastor**, D. A. (2012, October). *An Introduction to Hierarchical Linear Modeling*. Invited workshop at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- Pastor**, D. A. (2012, July). *An Overview of Mixture Modeling*. Invited two-day workshop for the Educational Testing Services (ETS), Princeton, NJ.
- Bandalos, D., **Pastor**, D. A., & \*Koepfler, J. (2012, January). *Psychometric Assessment Training*. Invited two-week workshop for the Police Psychological Service Division, Singapore Police Force, Singapore.
- Finney, S. J. & **Pastor**, D. A. (2011, October). *Longitudinal modeling from two perspectives: SEM & HLM*. Invited workshop at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- Pastor**, D. A., \*Lau, A. R., & \*Setzer, J. C. (2009, September). *Modeling item response profiles using factor models, latent class models, and latent variable hybrids*. Presentation at the Measurement and Statistics Monday Symposia, Department of Measurement, Statistics and Evaluation, University of Maryland, College Park.
- Pastor**, D. A. (2009, October). *Classifying persons into groups: An introduction to mixture modeling and considerations for applied practice*. Invited workshop at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- Pastor**, D. A. (2011, June; 2008, July). *Analyzing and Interpreting Assessment Information*. Workshop at the Assessment Institute, James Madison University.
- Pastor**, D. A. (2011, June; 2008, July). *Validity: Factor Analysis*. Workshop at the Assessment Institute, James Madison University.

Sproles, K., Hazard, G., Murphy, K., Amato, H., Wise, S., Sundre, D., & **Pastor, D.** (2005, October). *General Education Assessment at James Madison University*. Panel at the Association for General and Liberal Studies and Association for Integrative Studies Joint National Conference, Fairfax, VA.

**Pastor, D. A.** (2005, June). *Analyzing and Interpreting Assessment Information: How to Conduct Appropriate Analyses*. Workshop at the Assessment Institute, James Madison University.

**Pastor, D. A.** (2005, May). *Item Writing and Analysis Workshop*. Workshop at the University of Southern Nevada, College of Pharmacy, Henderson, NV.

Pastor, D. A. (2004, September). *Core Assessment: Challenges Facing New Programs and Attributes of a Successful Program at James Madison University*. Invited Keynote Speaker at Texas Association for Institutional Research, Austin, TX.

## GRANTS

Serpell, Z., **Pastor, D.**, & Talley, C. (2007). *Developing and evaluating the impact of an integrated curriculum and multicultural competence training on part-time faculty and their students*. Funding Agency: General Education program at James Madison University; Funding Amount: \$4,165

## SERVICE

2022-present	<b>Editorial Board Member</b> , Applied Measurement in Education
2020-present	<b>Editorial Board Member</b> , Practical Assessment, Research and Evaluation
2002-present	<b>Editorial Board Member</b> , Educational and Psychological Measurement
2019-2022	<b>Review Editor</b> , Assessment, Testing and Applied Measurement: Frontiers in Education
2019-2021	<b>Faculty Representative</b> , Graduate Student Issues Committee, National Council on Measurement in Education
2011-2014	<b>Statistical &amp; Methodological Advisory Board Member</b> , Journal of School Psychology
2011-2014	<b>Board Member</b> , Northeastern Educational Research Association
2014	<b>Program Chair</b> , AERA Division D
	<b>Program Co-chair</b> , AERA Division D, Section 2: Quantitative Methods and Statistical Theory
2013	<b>Program Co-chair</b> , AERA's Division D, Section 2: Quantitative Methods and Statistical Theory
2007-2012	<b>Chair &amp; Member</b> , College of Integrated Science and Technology Diversity Council, James Madison University

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