

DENA A. PASTOR

Department of Graduate Psychology
 Center for Assessment and Research Studies
 James Madison University
 MSC 6806
 Harrisonburg, VA 22807
 Phone: (540) 568-1670
 pastorda@jmu.edu

Education

2001	Ph.D.	Educational Psychology The University of Texas, Austin, Texas Specialization: Quantitative Methods
1995	B.A.	Psychology The University of Texas, Austin, Texas

Professional Experience

<i>May 2002 - present</i>	<u>Professor/Associate Director of Assessment Operations - Department of Graduate Psychology/Center for Assessment and Research Studies at James Madison University</u>	<i>Harrisonburg, VA</i>
---------------------------	---	-------------------------

Responsibilities include working on a variety of projects related to the assessment of student learning and developmental outcomes. Specifically, responsibilities include overseeing large-scale assessment data collection; guiding the design of tests and rating scales; processing, analyzing and reporting student assessment data; teaching courses in measurement, assessment, or statistics; mentoring graduate students; and conducting administrative duties.

<i>October 2001 – April 2002</i>	<u>Psychometrician – Harcourt Educational Measurement</u>	<i>San Antonio, TX</i>
----------------------------------	---	------------------------

<i>August 1999 – June 2001</i>	<u>Research Associate - Pro-Ed: An International Publisher, Research Division</u>	<i>Austin, TX</i>
--------------------------------	---	-------------------

<i>June 1999 – July 1999</i>	<u>Summer Intern – Educational Testing Service, Research Division</u>	<i>Princeton, NJ</i>
------------------------------	---	----------------------

Teaching Experience

Professor <i>Department of Graduate Psychology, James Madison University</i>	Hierarchical Linear Models	May 2002 - present
	Categorical Data Analysis	Spring '07-'08, '10-'13, '15, '17, '19, '21, '23
	Measurement Theory	Fall '12, Spring '16, '18, '20, '22
	Research Design & Inferential Statistics	Spring '03 - '07, '09
	Computer-Assisted Data Management & Analysis	Fall '02 - '03; Spring '06
	Independent Study: Mixture Modeling	Fall '04-'14; '16-'22; Spring '05
	Independent Study: Hierarchical Linear Modeling	Spring '10
	Independent Study: Program Evaluation	Spring '04 - '06, '09; Summer '09
	Independent Study: Factor Analysis with Dichotomous Variables	Fall '02
	Independent Study in Introductory Statistics	Spring '06
	Doctoral Seminar in Categorical Data Analysis	Spring '06
	Doctoral Seminar in Research Methods	Summer '04
		Fall '05, Fall '08

Adjunct Faculty <i>NOVA Southeastern University; National EdD Program for Educational Leaders</i>	Introduction to Statistics and Measurement; Statistical Methods	October 2003 – June 2004
--	---	--------------------------

Teaching Assistant		Spring 1998 – Fall 1999
--------------------	--	-------------------------

Departments of Psychology & Educational Psychology, University of Texas

Psychometric Theory and Methods, Measurement and Evaluation, Introduction to Statistics, Statistics and Research Design, Experimental Psychology

Honors and Awards

Distinguished Service Award <i>Department of Graduate Psychology, James Madison University</i>	2020 - 2021
Outstanding Contributions in Teaching Award <i>The Psychology Graduate Student Council, James Madison University</i>	2016 - 2017
Distinguished Teaching Award <i>Department of Graduate Psychology, James Madison University</i>	2013 - 2014
Provost Award for Excellence in Graduate Advising <i>Provost and VP for Academic Affairs, James Madison University</i>	2011 - 2012
Outstanding Contributions in Teaching Award <i>The Psychology Graduate Student Council, James Madison University</i>	2010 - 2011
Distinguished Teaching Award <i>Department of Graduate Psychology, James Madison University</i>	2009 - 2010
Distinguished Scholar Award <i>Department of Graduate Psychology, James Madison University</i>	2008 - 2009

Publications

- 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>
- 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/>
- 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>
- 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>
- 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>

- 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.
- 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., Ong, T. Q., & Strickman, S. N. (2019). Patterns of solution behavior across items in low-stakes assessments. *Educational Assessment*, 24(3), 189-212. doi: 10.1080/10627197.2019.1615373
- 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., & 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 (2nd Ed.)*. New York, NY: Routledge.
- 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.
- 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. doi: 10.1080/00273171.2017.1365684
- 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., & 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.
- 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 (2nd 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.
- 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.
- 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.
- Pastor, D. A., Kaliski, P. K., & Weiss, B. A. (2007). Examining college students' gains in general education. *Research & Practice in Assessment, 1*, 1-20.
- 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.
- Taylor, M. A., & Pastor, D. A. (2007). A confirmatory factor analysis of the Student Adaptation to College Questionnaire. *Educational & Psychological Measurement, 67*, 1002-1018.
- 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.
- Pastor, D. A., & Beretvas, S. N. (2006). Longitudinal Rasch modeling in the context of psychotherapy outcomes assessment. *Applied Psychological Measurement, 30*, 100-120.
- 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.
- 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.
- 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.
- 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.
- 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.

Presentations

- 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 25th 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., & Harmes, 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 unmotivated*. 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 Symptom-Hetter exposure control algorithm with a polytomous item bank*. Paper presented at the annual meeting of the American Educational Research Association, Montreal.

Keynote Addresses, Symposia, Short-Courses, Professional Workshops, Webinars, & Blogs

Pastor, D. A. (2023, June). *When civic engagement assessment gets political*. 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.
- Workshop – “Psychometric Assessment Training,” Police Psychological Service Division, Singapore Police Force, Singapore, January 3, 2012 - January 13, 2012.
- 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.
- Workshop – “Analyzing and Interpreting Assessment Information,” Assessment Institute, James Madison University, Harrisonburg, VA, July, 2008 & June, 2011.
- Workshop – “Validity: Factor Analysis,” Assessment Institute, James Madison University, Harrisonburg, VA, July, 2008 & June, 2011.
- 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.
- Workshop – “Analyzing and Interpreting Assessment Information: How to Conduct Appropriate Analyses,” Assessment Institute, James Madison University, Harrisonburg, VA, June, 2005.
- Workshop – “Item Writing and Analysis Workshop,” University of Southern Nevada, College of Pharmacy, Henderson, NV, May, 2005.
- Invited Keynote Speaker – “Core Assessment: Challenges Facing New Programs and Attributes of a Successful Program at James Madison University,” Texas Association for Institutional Research, Austin, TX, September, 2004.

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

Professional Memberships

National Council on Measurement in Education
American Educational Research Association
Special Interest Groups: Hierarchical Linear Modeling, Educational Statisticians, Division D
Northeastern Educational Research Association

Service

Graduate Student Issues Committee, National Council on Measurement in Education, 2019-2021
Northeastern Educational Research Association, Board Member, 2011-2014
Editorial Board Member, Applied Measurement in Education, 2022-present
Editorial Board Member, Practical Assessment, Research and Evaluation, 2020-present
Editorial Board Member, Educational and Psychological Measurement, 2002-present
Editorial Board of Assessment, Testing and Applied Measurement as Review Editor for *Frontiers in Education*, 2019 – 2022
Statistical & Methodological Advisory Board, *Journal of School Psychology*, 2011-2014
AERA, 2013: Program Co-chair, AERA's Division D, Section 2: Quantitative Methods and Statistical Theory
AERA, 2014: Division D Program Chair and Division D, Section 2: Quantitative Methods and Statistical Theory Program Co-chair
Ad hoc Reviewer
Behavior Research Methods
Educational Psychologist
Applied Measurement in Education
Educational Assessment
Journal of Experimental Education
Large Scale Assessment in Education
British Journal of Educational Psychology
Educational Psychology Review
Multivariate Behavioral Research
Structural Equation Modeling (Teacher's Corner)
Journal of Educational Measurement
Journal of Applied Measurement
Anxiety, Stress, & Coping
Sage Encyclopedia of Social Research Methods
Proposal Reviewer
American Educational Research Association
American Psychological Association
National Council on Measurement in Education
Northeastern Educational Research Association
College of Integrated Science and Technology Diversity Council (2007-2012)