

**Curriculum Vitae**  
**KIMBERLY F. COLVIN**

University at Albany, SUNY  
Educational & Counseling Psychology  
kcolvin@albany.edu

## **EDUCATION**

2014                   **EdD** (Psychometrics), University of Massachusetts Amherst  
Dissertation: *Effect of Automatic Item Generation on Ability Estimates in a Multistage Test*. Doctoral Mentor, Lisa A. Keller, EdD

2002                   **MA** (Statistics), University of Rochester, Department of Biostatistics

1999                   **MAT** (Mathematics Curriculum & Instruction), Cornell University, Department of Education

1998                   **BS** (Biometry & Statistics), Cornell University, Department of Biometry & Statistics

## **EDUCATIONAL EMPLOYMENT**

2022 – present       **Associate Professor**, Division of Educational Psychology & Methodology, Department of Educational & Counseling Psychology, University at Albany, State University of New York.

2014 – 2021           **Assistant Professor**, Division of Educational Psychology & Methodology, Department of Educational & Counseling Psychology, University at Albany, State University of New York.

2013 – 2014           **Postdoctoral Research Associate**, Applying psychometric techniques to data from massive open online courses (MOOCs), Massachusetts Institute of Technology (MIT). Postdoctoral Mentor, David E. Pritchard, PhD

2003 – 2010           **High School Math Teacher & K-12 Curriculum Coordinator**, Mathematics, Lansing Central School District, Lansing, NY

2000 – 2001           **High School Math Teacher**, Liverpool Central Schools, Liverpool, NY

1999 – 2000           **High School Math Teacher**, Ithaca City School District, Ithaca, NY

## PUBLICATIONS

### student co-author

#### **Peer Reviewed Articles** (N = 34; impact factors included when available)

Schlomer, G., Park, Y., **Colvin, K. F.**, & Yang, P. (*in press*). Measuring Bias Against Childfree Women: The Development of the BAC-W Scale. *Family Relations*.

**Colvin, K. F.**, Oliver, G. P., Gregory, K. M., & Fisk, A. E. (2025). Initial Validation of the TESOL Competencies Scale. *International Journal of Educational Studies*, 8(6), 73–81. <https://doi.org/10.53935/2641-533x.v8i6.540>

Ellis-Robinson, T., **Colvin, K. F.**, & Young, T. (2025). Professional Identity and Integrity: Special Education Teachers' Perspectives on Pedagogy and Practice. *AERA Open*, 11. <https://doi.org/10.1177/23328584251350632>

Hadley, M., Patil, U., **Colvin, K. F.**, Sentell, T., Massey, P., Gallant, M., & Manganello, J. (2024). Using online surveys for health behavior research with college students: How does recruitment method impact study results? *Health Behavior Research*, 7(4). <https://doi.org/10.4148/2572-1836.1254>

Lou, Y. & **Colvin, K. F.** (2025). Performance prediction using educational data mining techniques: A comparative study. *Discover Education*, 4, 112. <https://doi.org/10.1007/s44217-025-00502-w>

Labarta, A.C., Emelianchik-Key, K., Peluso, P. R., Gill, C., & **Colvin, K. F.** (2024). Measuring risk and protective factors for eating and body image concerns in LGBTGEQIAP+ communities: An instrument development and validation study. *International Journal for the Advancement of Counselling*.

Labarta, A.C., **Colvin, K. F.**, Emelianchik-Key, K., & Gill, C. (2024). Examining transdiagnostic factors among religious and spiritual individuals with comorbid eating disorders and post-traumatic stress disorders. *Eating Disorders: The Journal of Treatment & Prevention*.

Manganello J., **Colvin, K. F.**, Hadley, M., & O'Brien, K. (2024). Get Health'e': A pilot test of a digital health literacy intervention for young adults. *Health Literacy Research and Practice*.

Zhang, S. & **Colvin, K. F.** (2024). Comparison of different reliability estimation methods for single-item assessment: A simulation study. *Frontiers in Psychology*, 15(1482016), 1-16.

Alper, M., Manganello, J., & **Colvin, K. F.** (2023). Parental mediation and problematic media use among U.S. children with disabilities and their non-disabled siblings during the COVID-19 pandemic. *Journal of Children and Media*, 17(2), 219-227. [https://doi.org/10.1080/17482798.2023.2180045 \(IF = 2.018\)](https://doi.org/10.1080/17482798.2023.2180045)

**Colvin, K. F.**, Ellis-Robinson, T.G., & Young, T.R. (2023). Experiences of special education teachers in New York State during COVID-19 remote instruction. *Journal of the American Academy of Special Education Professionals*, Spring/Summer, 54-75.

Hadley, M., Patil, U., **Colvin, K. F.**, Sentell, T., Massey, P. M., Gallant, M. P., Manganello, J. A. (2023). Exploring the impact of digital health literacy on COVID-19 behaviors in New York State college students during the COVID-19 pandemic. *Computer Methods and Programs in Biomedicine Update*, 4. <https://doi.org/10.1016/j.cmpbup.2023.100126>

Harris, M. A., **Colvin, K. F.**, Lindner, N. E., Manganello, J. A., Mohamed, L., & Shaw, A. V. (2021). Development and initial validation of the Refugee Health Literacy Assessment Tool (RHLAT). *American Journal of Health Education*, 52(6), 402-410. <https://doi.org/10.1080/19325037.2021.1978908>

Brenner, R. E., **Colvin, K. F.**, Hammer, J. H., & Vogel, D. L. (2021). Using item response theory to develop Revised (SSOSH-7) and Ultra-Brief (SSOSH-3) Self-Stigma of Seeking Help Scales. *Assessment*, 28(5), 1488-1499. [http://dx.doi.org/10.1177/1073191120958496 \(IF = 3.706\)](http://dx.doi.org/10.1177/1073191120958496)

Jordan, H. J., **Colvin, K. F.**, Kim, K. Y. E., Martin, J. L., & Madson, M. B. (2021). Psychometric validation of the Protective Drinking Practices Scale in college students across the United States. *Experimental and Clinical Psychopharmacology*, 29(3), 251-260. [https://doi.org/10.1037/pha0000471 \(IF = 2.217\)](https://doi.org/10.1037/pha0000471)

**Colvin, K. F.**, & Gorgun, G. (2020). Collapsing scale categories: Comparing the psychometric properties of resulting scales. *Practical Assessment, Research & Evaluation* 25(6), 1-19. [https://scholarworks.umass.edu/pare/vol25/iss1/6 \(IF = 1.41\)](https://scholarworks.umass.edu/pare/vol25/iss1/6)

**Colvin, K. F.**, Gorgun, G., & Zhang, S. (2020). Comparing interpretations of the Rosenberg Self-Esteem Scale with 4-, 5-, and 101-point scales. *Journal of Psychoeducational Assessment*, 38(6), 762-766. [https://doi.org/10.1177/0734282920915063 \(IF = 1.256\)](https://doi.org/10.1177/0734282920915063)

Gozu, H., Newman, J., & **Colvin, K. F.** (2020). Maternal and paternal authority styles and developmental outcomes: An investigation of university students in Turkey and the United States. *Educational Process: International Journal*, 9(3), 153-168. <http://dx.doi.org/10.22521/edupij.2020.93.3>

Martin, J. L., **Colvin, K. F.**, Madson, M. B., Zamboanga, B. L. & Pazienza, R. (2020). Optimal assessment of protective behavioral strategies among college drinkers: An item response theory analysis. *Psychological Assessment*, 32(4), 394-406. [https://doi.org/10.1037/pas0000799 \(IF = 2.825\)](https://doi.org/10.1037/pas0000799)

Sahin, F. & **Colvin, K. F.** (2020). Enhancing response time thresholds with response behaviors for detecting disengaged examinees. *Large-scale Assessments in Education*, 8(5), 1-24. [https://doi.org/10.1186/s40536-020-00082-1 \(IF = 2.800\)](https://doi.org/10.1186/s40536-020-00082-1)

Emelianchik-Key, K. & **Colvin, K. F.** (2019). The Teen Screen for Dating Violence: An item response theory analysis. *Journal of Interpersonal Violence*. Advance online publication. [https://doi.org/10.1177/0886260519863723 \(IF = 3.064\)](https://doi.org/10.1177/0886260519863723)

Friedlander, M. L., Muetzelfeld, H., Re, S., **Colvin, K. F.**, Quinn-Nilas, C., & Smoliak, O. (2019). Introducing the Expectation and Preference Scales for Couple Therapy (EPSCT): Development, psychometric evaluation, and suggested use in practice and research. *Family Process*, 58(4), 855-872. [https://doi.org/10.1177/0022656X19855040 \(IF = 2.175\)](https://doi.org/10.1177/0022656X19855040)

**Park, S. Y., & Colvin, K. F. (2019).** Psychometric properties of a Korean version of the Perceived Stress Scale in a military sample. *BMC Psychology*, 7(1), 1-11. <https://doi.org/10.1186/s40359-019-0334-8> (IF = 1.146)

Balint, T. A., Teodorescu, R., **Colvin, K. F.**, Choi, Y-J., & Pritchard, D. (2017). Physics instructional resource usage by high-, medium-, and low-skilled MOOC students. *The Physics Teacher*, 55(4), 222-225. <https://doi.org/10.1119/1.4978719> (IF = 0.621)

Manganello, J. A., **Colvin, K. F.**, Chisolm, D., Arnold, C., Hancock, J., & Davis, T. (2017) Validation of the Rapid Estimate for Adolescent Literacy in Medicine Short Form (REALM-TeenS). *Pediatrics*, 139(5), 1-8. <https://doi.org/10.1542/peds.2016-3286> (IF = 5.15)

Roysircar, G., **Colvin, K. F.**, Afolyan, A. G., Thompson, A., & Robertson, T. W. (2017). Haitian children's resilience and vulnerability assessed with House-Tree-Person (HTP) drawings. *Traumatology*, 23(1), 68-81. <https://doi.org/10.1037/trm0000090> (IF = 1.430)

**Colvin, K. F.**, Keller, L. A., & Robin, F. (2016). Effect of imprecise item parameter estimates on ability estimates in a multistage test in an automatic item generation context. *Journal of Computerized Adaptive Testing*, 4(1), 1-18. <https://doi.org/10.7333/1608-040101>

Keller, L. A., Keller, R., Cook, R., & **Colvin, K. F.** (2016). Impact of accumulated error on item response theory pre-equating with mixed format tests. *Applied Measurement in Education*, 29(1), 65-82. <https://doi.org/10.1080/08957347.2015.1102912> (IF = 0.900)

Rayyan, S., Fredericks, C., **Colvin, K. F.**, Liu, A., Teodorescu, R., Barrantes, A., Pawl, A., Seaton, D. T., & Pritchard, D. E. (2016). A MOOC based on blended pedagogy. *Journal of Computer Assisted Learning*, 32(3), 190-201. <https://doi.org/10.1111/jcal.12126> (IF = 2.230)

Villares, E., Mariani, M., Sink, C., & **Colvin, K. F.** (2016). Multilevel confirmatory factor analysis of the Teacher My Class Inventory – Short Form. *Measurement and Evaluation in Counseling and Development*, 49(4), 263-273. <https://doi.org/10.1177/0748175616639107> (IF = 1.047)

Balint, T. A., Teodorescu, R., **Colvin, K. F.**, Choi, Y-J., & Pritchard, D. E. (2015). Comparing measures of student performance in hybrid and MOOC physics courses. *European Journal of Physics Education*, 6(3), 32-44. (IF = 0.608)

Mariani, M., Villares, E., Sink, C., **Colvin, K. F.**, & Kuba, S. P. (2015). Confirming the structural validity of the My Class Inventory – Short Form Revised. *Professional School Counseling*, 19(1), 92-102. <https://doi.org/10.5330/1096-2409-19.1.92>

**Colvin, K. F.**, Champaign, J., Liu, A., Zhou, Q., Fredericks, C., & Pritchard, D. E. (2014). Learning in an introductory physics MOOC: All cohorts learn equally, including an on-campus class. *The International Review of Research in Open and Distance Learning*, 15(4), 263-282. <https://doi.org/10.19173/irrodl.v15i4.1902> (IF = 0.734)

Villares, E., **Colvin, K. F.**, Carey, J., Webb, L., Brigman, G., & Harrington, K. (2014). Convergent and divergent validity of the Student Engagement in School Success

Skills Survey. *The Professional Counselor*, 4(5), 541-552.  
<https://doi.org/10.15241/ev.4.5.541>

## Book Chapter

Keller, L. A., **Colvin, K. F.**, & Garcia, A. (2016). Growth: Measurement, meaning, and misuse. In C.S. Wells & M. Faulkner-Bond (Eds.), *Educational measurement: From foundations to future* (pp. 318-334). Guilford Press.

## Encyclopedia Entries

**Colvin, K. F.** & Keller, L. A. (2015). Bias in testing: What does it mean? In S. Thompson (Ed.), *Encyclopedia of diversity and social justice* (pp. 715-717). Rowman & Littlefield Publishers.

**Colvin, K. F.** & Keller, L. A. (2014). Markov Chain Monte Carlo item response theory estimation. In *Wiley StatsRef: Statistics reference online*, John Wiley & Sons.

## Published, Peer-Reviewed Conference Proceedings

Manganello, J., **Colvin, K. F.**, Hadley, M., & O'Brien, K. (2020). Get Health'e': A pilot test of an ehealth literacy intervention for young adults. *Annals of Behavioral Medicine*, 53, S48.

Balint, T. A., Teodorescu, R. E., **Colvin, K.**, Choi, Y., & Pritchard, D. E. (2015). Identifying characteristics of pairs of questions that students answer similarly. *Proceedings of the 2015 Physics Education Research Conference*. College Park, MD.

Bergner, Y., **Colvin, K.**, & Pritchard, D. E. (2015). Estimation of ability from homework items when there are missing and/or multiple attempts. *Proceedings of the Fifth International Conference on Learning Analytics and Knowledge*, pp. 118-125.  
<https://doi.org/10.1145/2723576.2723582>

**Colvin, K.**, Champaign, J., Liu, A., Fredericks, C., & Pritchard, D. (2014). Comparing learning in a MOOC and a blended, on-campus course. *Proceedings of the 7th International Conference on Educational Data Mining*, pp. 343-344.

Champaign, J., **Colvin, K.**, Liu, A., Fredericks, C., Seaton, D. & Pritchard, D.E. (2014) Correlating skill and improvement in two MOOCs with a student's time on tasks. *Proceedings of the First Learning at Scale Conference*. Atlanta, Georgia.  
<https://doi.org/10.1145/2556325.2566250>

## Book Reviews

Keller, L. A. & **Colvin, K. F.** (2014). Review of the book *The Rise of Data in Education Systems: Collection, Visualization, and Use* edited by Martin Lawn. *Comparative Education Review*, 58, 549-551.

**Colvin, K. F.** (2013). Review of the book *Doing Bayesian data analysis: A tutorial with R and BUGS*, by J. K. Kruschke. *Journal of Educational Measurement*, 50, 469-471.

## Other Publications

Craine, W. & **Smith-Colvin, K.** (2005, 2008, 2011). *Instructor's solutions manual to accompany Stats: data and models* ([1<sup>st</sup>], 2<sup>nd</sup>, and 3<sup>rd</sup> Editions) by De Veaux, Velleman, and Bock. Pearson Addison-Wesley.

Craine, W. & **Smith-Colvin, K.** (2005, 2008, 2011). *Student's solutions manual to accompany Stats: data and models* ([1<sup>st</sup>], 2<sup>nd</sup>, and 3<sup>rd</sup> Editions) by De Veaux, Velleman, and Bock. Pearson Addison-Wesley.

## UNPUBLISHED RESEARCH REPORTS

**Colvin, K.**, Li, X., Fan, F., Deng, N., & Hambleton, R. K. (2013). *Equating results for the seven 2013 Massachusetts Comprehensive Assessment System (MCAS) Mathematics Tests* (Center for Educational Assessment Report No. 852). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

Li, X., **Colvin, K.**, Deng, N., & Hambleton, R. K. (2013). *Equating results for the seven 2013 Massachusetts Comprehensive Assessment System (MCAS) English Tests* (Center for Educational Assessment Report). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

Li, X., **Colvin, K.**, Deng, N., Fan, F., & Hambleton, R. K. (2013). *Equating results for the six 2013 Massachusetts Comprehensive Assessment System (MCAS) Science Tests* (Center for Educational Assessment Report No. 853). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

**Colvin, K. F.**, Keller, L. A., & Soto, A. C. (2012). *Equity in student growth projections: An investigation of factors that influence growth expectations* (Center for Educational Assessment Report No. 809). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

**Colvin, K.**, Li, X., Bahry, L., Shin, M., Wang, X., Deng, N., & Hambleton, R. K. (2012). *Equating results for the six 2012 Massachusetts Comprehensive Assessment System (MCAS) Science Tests* (Center for Educational Assessment Report No. 830). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

**Colvin, K.**, Li, X., Deng, N., & Hambleton, R. K. (2012). *Equating results for the seven 2012 Massachusetts Comprehensive Assessment System (MCAS) English Tests* (Center for Educational Assessment Report No. 829). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

**Colvin, K.**, Rios, J. A., Sireci, S. G., Randall, J., Mayfield, K., & Hamen, C. (2012). *Defining and measuring pedagogical content knowledge for Advanced Placement Biology* (Center for Educational Assessment Report No. 825). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

Cook, R., Randall, J., Shin, M., Wang, X., & **Colvin, K.** *Using the Rasch Model to evaluate the psychometric properties of five non-cognitive scales* (Center for Educational Assessment Report No. 831). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

Keller, L. A., Soto, A. C., & **Colvin, K. F.** (2012). *Differences in math attitudes and achievement for males and females* (Center for Educational Assessment Report No. 826). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

Li, X., **Colvin, K.**, Shin, M., Bahry, L., Wang, X., Deng, N., & Hambleton, R. K. (2012). *Equating results for the seven 2012 Massachusetts Comprehensive Assessment System (MCAS) Mathematics Tests* (Center for Educational Assessment Report No. 830). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

**Colvin, K. F.** & Randall, J. (2011). *A review of recent findings on DIF analysis techniques* (Center for Educational Assessment Report No. 795). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

**Colvin, K. F.** & Randall, J. (2011). *Investigating adverse impact in teacher certification: A literature review* (Center for Educational Assessment Report No. 805). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

Deng, N., Lam, W., Li, X., **Colvin, K.**, Yoo, H., & Hambleton, R. K. (2011). *Equating results for the seven 2011 Massachusetts Comprehensive Assessment System Mathematics Tests* (Center for Educational Assessment Report No. 793). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

Deng, N., **Colvin, K.**, Li, X., Lam, W., Yoo, H., & Hambleton, R. K. (2011). *Equating results for the six 2011 Massachusetts Comprehensive Assessment System Science Tests* (Center for Educational Assessment Report No. 794). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

**Colvin, K.**, Crotts, K., Foster, C., Li, X., Yoo, H., & Hambleton, R. (2010). *IRT item calibrations and model fit analyses of the GRE Biology Tests* (Center for Educational Assessment Report No. 765). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

**Colvin, K. F.**, Sireci, S. G., & Keller, L. A. (2010). *Investigation of item parameter drift in a computerized multistage adaptive test* (Center for Educational Assessment Report No. 783). Amherst, MA: University of Massachusetts, Center for Educational Assessment.

## GRANT FUNDING

### Funded Proposals

#### University at Albany

Faculty Research Awards Program (FRAP-B)

Role: Principal Investigator

Project: Evaluating the Impact of Item Response Theory-Based Ordered Item Books and Item Maps in the Bookmark Standard Setting Method

Sponsor: University at Albany

Amount: \$2134  
Awarded Spring 2018

**University at Albany**  
Presidential Innovation Fund for Research and Scholarship (PIFRS)  
Role: Collaborator (PI: Jennifer Manganello, School of Public Health, University at Albany)  
Project: Get Health'e': Using digital badging to improve eHealth literacy skills for young adults  
Cost: \$46,460  
Awarded Spring 2017

### **Federal Proposals Not Funded**

Role: Co-Investigator (PI: Jennifer Manganello, School of Public Health, University at Albany)

NIIH P50: Center for Environmental Health Equity, Research, Training and Engagement (CEHRTE), \$49,308, (total) \$38,985 (IFR)

Role: Co-Principal Investigator (PIs: Melissa Mariani & Elizabeth Villares, Florida Atlantic University)

Project: Promoting Healthy, Optimistic, Pro-social Environments (H.O.P.E): A Randomized Controlled Trial of the Student Success Skills Classroom Program

Sponsor: Florida Atlantic University via Institute of Education Sciences (IES)

Dates: August 1, 2018 – July 31, 2020

Cost: \$22,788 (Direct); \$5,925 (Indirect)

Role: Co-Investigator (PIs: Carla Meskill & Alandeon Oliveira, School of Education, University at Albany)

Project: Academic Language and Literacy in Math and Science: The Multimodal Amplification Sponsor: NSF

Dates: July 1, 2018 – June 30, 2022

Cost: \$2,031,818 (Direct); \$966,404 (Indirect)

Role: Co-Principal Investigator (PI: Melissa Mariani, Florida Atlantic University)

Project: A Randomized Controlled Trial Investigating the Student Success Skills Program on Grade 5 Student Academic, Social, and Behavioral Outcomes

Sponsor: Florida Atlantic University via Institute of Education Sciences (IES)

Dates: July 1, 2017 – June 30, 2019

Cost: \$21,569 (Direct); \$27,177 (Total)

Role: Co-Investigator (PI: Jennifer Manganello, School of Public Health, University at Albany)

Project: Get Health'e': Using digital badging to improve health literacy skills for young adults

Sponsor: NIH

Dates: July 1, 2016 – June 30, 2021

## Foundation Proposals Not Funded

Role: Co-Investigator (PI: Jennifer Manganello, School of Public Health, University at Albany)  
Project: A Social Ecological Approach to Evaluating Client Experiences of Title X Services in New York State  
Sponsor: Department of Health and Human Services  
Dates: September 1, 2022 – August 31, 2025  
Cost: \$1,512,918 (Direct: \$969,820, Indirect: \$543,098)

Role: Co-Investigator (PI: Jennifer Manganello, School of Public Health, University at Albany)  
Project: FathersInSight: Educating and Empowering Fathers of Children with Disabilities to Improve Child Health Outcomes  
Sponsor: Robert Wood Johnson Foundation: Interdisciplinary Research Leaders  
Dates: September 1, 2020 through August 31, 2023  
Cost: \$350,000

Role: Principal Investigator (Co-Investigator: Tammy Ellis-Robinson)  
Project: Delivery of Special Education Services During COVID-19 Remote Learning: Innovations & Challenges  
Sponsor: Spencer Foundation Small Research Grant:  
Dates: June 15, 2020 – June 14, 2022  
Cost: \$49,978

Role: Principal Investigator  
Project: Impact of Spatially-Representative Item Maps in the Bookmark Standard Setting Method in Accountability Testing  
Sponsor: Spencer Foundation Small Research Grant:  
Dates: January 1, 2019 – June 30, 2020  
Cost: \$49,988

## INVITED PRESENTATIONS (N = 1)

Ellis-Robinson, T.G., Colvin, K.F., & Young, T.R. (2022, March). *Special education teachers' perspectives on practices during and after Covid-19 remote instruction*. [Panel session]. Council for Exceptional Children's Teacher Education Division's Research Committee Virtual Panel.

## CONFERENCE PRESENTATIONS (N = 49)

### student co-author

Park, Y., Schloemer, G. L., **Colvin, K. F.**, & Yang, P. (2025, May). Measuring bias against childfree women: The development of the BAC-W scale [Paper presentation]. Society for Research in Child Development 2025 Biennial Meeting, Minneapolis, MN.

**Colvin, K. F., Park, S., Lou, Y., Schloemer, G., & Park, Y.** (2025, April). *Using AI tools to support scale development*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, Denver, CO.

**Rosca, O., Lui, A., Colvin, K. F., Andrade, H., & Bryer, J.** (2025, April). *Multistage diagnostic reading assessment*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, Denver, CO.

Araneda, S., **Colvin, K. F.**, O'Donnell, F., Palladero, F., & Wells, C. (2024, October). *Prompt engineering for binary response item generation using ChatGPT*. [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Trumbull, CT.

Oliver, G. P., Gregory, K. M., & **Colvin, K. F.** (2024, April). *Professional development to develop/enhance in-service teachers' knowledge, skills, and dispositions for teaching multilingual English learners*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, Philadelphia, PA.

**Rosca, O., Colvin, K.F., Andrade, H., & Bryer, J.** (2023, April). *Reliability Coefficients for a Single-administration Linear Assessment*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, Chicago, IL.

Ellis-Robinson, T., **Colvin, K.F., & Young, T.R.** (2022, March). *Special education teachers' perspectives on practices during and after Covid-19 remote instruction*. [Panel presentation.] Teacher Education Division of the Council for Exceptional Children Research Committee.

Maxfield, M., Keller, L. A., & **Colvin, K. F.** (2021, October). *Adapting assessments on the fly: A classroom teacher meeting the needs of students*. [Poster presentation]. Classroom Assessment Conference.

Robinson, T. E., **Colvin, K. F., & Young, T.** (2021, April). *Delivery of special education services during COVID-19 remote instruction: Innovations and challenges*. [Paper presentation]. Annual Meeting of the American Education Research Association.

Ellis-Robinson, T., **Colvin, K.F., & Young, T.R.** (2021). *Planning for teacher education Research Post-COVID: Priorities and Methods*. [Panel presentation]. Teacher Education Division of the Council for Exceptional Children.

Jordan, H. R., **Colvin, K. F.**, Kim, K. Y., Martin, J. L., & Madson. M. B. (2021, March). *Psychometric validation of the Protective Drinking Practices scale in a national sample of students*. [Poster presentation]. 2021 Collaborative Perspectives on Addiction Meeting, Virtual Conference.

Harris, M. A., Shaw, A. V., Mohamed, L., **Colvin, K. F., & Manganello, J.L.** (2020, August). *Development of the Refugee Health Literacy Assessment Tool*. [Abstract]. 2020 North American Refugee Health Conference, Cleveland, OH.

Brenner, R. E., **Colvin, K. F.**, Hammer, J. H., & Vogel, D. L. (2020, April). *Increasing accessibility to care: Development of Revised (SSOSH-7) and Screener (SSOSH-3) versions of the Self-Stigma of Seeking Help Scale*. [Poster presentation]. 2020 Counseling Psychology Conference, New Orleans, LA. (Conference canceled)

**Gorgun, G., Colvin, K. F., Roohr, K. C., & Ling, G.** (2020, April). *Multilevel analyses of subgroups on the Major Field Test of Business*. [Paper presentation]. Annual Meeting of

the National Council on Measurement in Education, San Francisco, CA. (Conference canceled)

**Colvin, K. F., Gorgun, G., & Zhang, S.** (2019, April). *Assessing the reliability of single-item measures*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, Toronto, ON.

**Gasparro, S., Desai, P., Chiu, A., Colvin, K. F.,** Bennett, S.M. (2019, November). *Emotional consequences of social media use in young adults*. [Poster presentation]. Annual Meeting of the Association for Behavioral and Cognitive Therapies. Atlanta, Georgia.

**Gorgun, G. & Colvin, K. F.** (2019, April). *The influence of rating scale on coefficient alpha and alternative reliability measures*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, Toronto, ON.

Martin, J. L., **Colvin, K. F.**, Madson, M. B. Zamboanga, B. L., & **Pazienza, R.** (2019, April). *Optimal assessment of protective behavioral strategies among college drinkers: An item response theory analysis*. [Poster presentation]. Collaborative Perspectives on Addiction Conference, Providence, RI.

Manganello, J., **Colvin, K. F.**, & O'Brien, K. (2019, March). *Get Health 'e': A pilot test of an eHealth literacy intervention for young adults*. [Paper presentation]. Annual Meeting of Scientific Sessions of the Society of Behavioral Medicine, Washington, DC.

Ellis-Robinson, T., **Colvin, K. F.**, & **Coles, J. W.** (2019, February). *Perceptions of preparation for cross-categorical cultural competence in special education: Reflections from the field*. [Poster presentation]. Annual Meeting of the Council for Exceptional Children, Indianapolis, IN.

**Colvin, K. F. & Gorgun, G.** (2018, October). *Reliability of single-item measures*. [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Trumbull, CT.

**Gorgun, G. & Colvin, K. F.** (2018, October). *The impact of increasing the number of response categories in a rating scale*. [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Trumbull, CT.

**Colvin, K. F. & Ellis, M. V.** (2018, April). *Adaptive scales and the decision making needed to get there*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, New York, NY.

**Gorgun, G. & Colvin, K. F.** (2017, October). *Reconsidering scale use through the World Values Survey*. [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Trumbull, CT.

**Robertson, T. W. & Colvin, K. F.** (2017, October). *How do states assess and validate college readiness?* [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Trumbull, CT.

Ellis, M. V., **Colvin, K. F.** (2017, June). *The clinical supervision relationship: Developing the construct and testing the psychometric properties of the RICS*. [Paper presentation]. 13<sup>th</sup> International Interdisciplinary Conference on Clinical Supervision, Garden City, NY.

**Colvin, K. F.** (2017, April). *Using teacher characteristics and student demographics to predict NYS 3-8 ELA & math scores*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, San Antonio, TX.

Robertson, T. W. & Colvin, K. F. (2016, October). *Relationship of scores on PARCC math content emphases areas with student performance*. [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Trumbull, CT.

Sahin, F. & Colvin, K. F. (2016, October). *Relationships between computer familiarity, response time, and computer-based test scores*. [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Trumbull, CT.

Manganello J. A., **Colvin K. F.**, Hancock J., Arnold C, Chisolm D, & Davis T. (2016, October). *Development of a shortened version of the Rapid Estimate for Adolescent Literacy in Medicine: REALM-TeenS*. [Poster presentation]. Health Literacy Research Conference, Bethesda, MD.

Friedlander, M., Muetzefeld, H., Re, S., & Colvin, K. F. (2016, August). *Introducing the Expectations for Couple Therapy Scale: Initial development/validation*. [Paper presentation]. Annual Meeting of the American Psychological Association, Denver, CO.

Ellis, M. V., & **Colvin, K. F.** (2016, June). *Supervisee Non-Disclosure in clinical supervision: Developing the construct and testing the psychometric properties of the SNDS*. [Poster presentation]. Twelfth International Interdisciplinary Conference on Clinical Supervision, Garden City, NY.

**Colvin, K. F.** (2016, April). *Distinguishing struggling learners from unmotivated students in an intelligent tutoring system*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, Washington, D.C.

Sahin, F. & Colvin, K. F. (2015, October). *Evaluation of R package ltm for IRT dichotomous models*. [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Trumbull, CT.

Roysircar-Sodowsky, G., **Colvin, K.**, Thompson, A., Hovey, K., & Johnson, N. (2015, August). *A Generalizability study of House-Tree-Person Test with Haitian children*. [Paper presentation]. Annual Meeting of the American Psychological Association, Toronto.

Balint, T., Teodorescu, R., **Colvin, K.**, Choi, Y. (2015, July). *Discovering mechanics problems with dependent responses in a MOOC*. [Paper presentation]. American Association of Physics Teachers' Summer Meeting, College Park, MD.

Balint, T., Teodorescu, R., **Colvin, K.**, Choi, Y. (2015, July). *Characteristics of pairs of questions that students answer similarly*. [Paper presentation]. Physics Education Research Conference, College Park, MD.

**Colvin, K. F. & Roysircar-Sodowsky, G.** (2015, April). *Evaluation of measures of resilience and vulnerability in post-earthquake Haiti: Using generalizability theory on the road to a validation study*. [Paper presentation]. Annual Meeting of the American Education Research Association, Chicago, IL.

**Colvin, K. F. & Keller, L. A.** (2014, October). *Effect of automatic item generation on ability estimates in a multistage test*. [Paper presentation]. International Association for Computerized Adaptive Testing Summit, Princeton, NJ.

**Colvin, K. F. & Roysircar-Sodowsky, G.** (2014, October). *A comparison of raters scoring the Haiti House-Tree-Person Test*. [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Trumbull, CT.

Roysircar-Sodowsky, G., O'Leary, K. & **Colvin, K. F.** (2014, August). *The Haiti House-Tree-Person Test (H-HTP): Measuring Haitian children's resilience and trauma post 2010 earthquake*. [Paper presentation]. Annual Meeting of the American Psychological Association, Washington, DC.

**Colvin, K. F.**, Bergner, Y. & Pritchard, D.E. (2014, April). *Multiple attempt item functioning in formative and summative assessments in a massive open online course (MOOC)*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, Philadelphia, PA.

Sireci, S. G., Randall, J., & **Colvin, K. F.** (2013, October). *Psychometric challenges in developing a measure of scientific knowledge of teaching*. [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Rocky Hill, CT.

Keller, L. A., Keller, R., Cook, R. & **Colvin, K. F.** (2013, April). *When to say when: Determining when you need to re-estimate parameters for pre-equating*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, San Francisco.

**Colvin, K. F.**, Keller, L. A., & Soto, A. C. (2012, May). *The effect of demographics in projection models*. [Paper presentation]. Annual Meeting of the New England Educational Research Organization, Portsmouth, NH.

**Colvin, K. F.**, Keller, L. A., Zanetti, M., & Dinh, A. (2012, April). *Comparing small sample DIF procedures to evaluate a curricular change*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, Vancouver, BC.

Lee, M. K. & **Colvin, K. F.** (2012, October). *The effect of item difficulty on two consistency measures in generalizability theory*. [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Rocky Hill, CT.

**Colvin, K. F.** & Keller, L. A. (2011, October). *Equity in student growth projections: An investigation of factors that influence growth expectations*. [Paper presentation]. Annual Meeting of the Northeastern Educational Research Association, Rocky Hill, CT.

**Colvin, K. F.**, Keller, L. A., & Sireci, S. G. (2011, April). *Detecting item parameter drift and associated factors in a large-scale adult education assessment*. [Paper presentation]. Annual Meeting of the New England Educational Research Organization, New Bedford, MA.

## TEACHING

### Graduate Courses Taught, University at Albany

EPSY 530 – Statistical Methods I (F16)

EPSY 630 – Statistical Methods II (S23, F23)

EPSY 640 – Educational & Psychological Measurement (F14, F15, F16, S18, S19, S20, S21, S22, F25)

EPSY 645 – Item Response Theory (EPSY 687: F15, S18)

EPSY 724 – Regression Analysis (S21, S23, S25)

EPSY 751 – Multivariate Methods for Applied Researchers (S15, S16, S17, F17, F19, F20, F21, F22, F24, F25)

### **Undergraduate Courses Taught, University at Albany**

EPSY 440 – Introduction to Assessment & Measurement (F17, F19, F20, S22)

EPSY 441 – Social Issues in Testing (S16)

EPSY 481 – Research Project in Human Development (S 19, S20, F21)

UUNI 100 – The Freshman Year Experience (F20)

UFSP 100 – The Freshman Seminar: College Success (F21)

### **Research and Field Experience Supervised, University at Albany**

EPSY 480 – Educational Psychology: Independent Study (F19, S20)

EPSY 606 – Field Experience (SU16, F16, S17, F17, S19)

EPSY 797 – Research Apprenticeship (F14, S15, S16, F16, F17, F18, S19, S20, F20, S21, F21, S22)

EPSY 887 – Institute (SU 20)

EPSY 890 – Research & Independent Study (S16, F16, S18, S19, F19, F20, S21, F21, S22)

EPSY 899 – Doctoral Dissertation (S17, S20, S22)

### **Courses Taught at Other Institutions**

#### **University of Michigan; Inter-university Consortium for Political and Social Research (ICPSR) Summer Program in Quantitative Methods of Social Research**

Item Response Theory: Methods for the Analysis of Discrete Survey Response Data (SU 18, SU 19, SU 20, SU 21, SU22, SU23, SU 24, SU 25)

#### **University of Massachusetts Amherst, College of Education**

EDUC 555 – Introduction to Statistics and Computer Analysis I (F12)

#### **Cornell University**

Calculus for Biologists (SU 08)

### **Doctoral Dissertation Committees (42 total, 12 in progress; chair / co-chair of 6 committees)**

Conboy, M. (in progress). *Pre-School. School Psychology. Member*

Crosky, S. (defended proposal). *Psychometric assessment of the Facilitative Systemic Intervention Skills (FSIS) Rating Scales— Spanish Version. Counseling Psychology. Member*

Erickson, J. (in progress). *Data modeling to compare the zones of academic success by freshman math placement. Educational Psychology.*

Fresquez, C. (defended proposal). *The moderating effect of social determinants of health and self-efficacy on alcohol use in an adult community sample*. Counseling Psychology.

**Member**

Gahtan, J. (defended proposal). *Justice sensitivity and moral disengagement: Their role in linking the moral self to moral behavior and judgements in middle childhood*. Educational Psychology. **Co-Chair**

Gentile, A. (defended proposal). *A moderated mediation analysis of mental health literacy, personal stigma, and gender on help-seeking intentions in college students*. Counseling Psychology. **Member**

Reedy, J. (defended proposal). *Adolescent and young adult cancers in popular entertainment shows: The role of character and story in scripted show content in reducing cancer stigma among adolescent and young adult peers*. School of Public Health. **Member**

Reitinger, J. (in progress). Validation of the Self-Regulated Learning Scale in the DAACS for high school students with attention deficit hyperactivity disorder. Educational Psychology & Methodology. **Member**.

Rogers, C. (defended proposal). *Workplace autonomy on workplace satisfaction*. Counseling Psychology. **Member**.

Rosca, O. (defended proposal). *A comparison of college readiness among adult and traditional college-age students*. Educational Psychology & Methodology. **Chair**

Shah, R. (in progress). *Sexual and interpersonal violence and barriers to seeking help*. School of Public Health. **Member**.

Young, T. (defended proposal). *Student empowerment, academic identification, and stereotype threat vulnerability: The black male college student experience*. Educational Psychology & Methodology. **Member**.

Coles, J. (2025). *Teacher and student perceptions of equity and inclusion*. Educational Psychology. **Member**

Robertson, T. (2025). *Evaluation of missing data techniques in longitudinal studies*. Educational Psychology & Methodology. **Member**.

Garcia, R. (2024). *Development and initial validation of the Supervisor Responsiveness Scale*. Counseling Psychology. **Member**

Meyer, M. (2024). *A foundation for transformative learning practices in higher education*. **Member**

Haji-Georgi, M. (2023). *Cultivating compassionate classrooms*. Educational Psychology & Methodology. **Member**.

Hisanaga-Probst, A. (2023). *Three-factor model of Behavior Intervention: Psychometric properties of the Behavior Intervention Self-Efficacy (BISE) Scale*. School Psychology. **Co-Chair**.

Kim, E. (2023). *The relationship between social well-being of foreign college students and their academic performance*. Educational Psychology & Methodology. **Chair**

Mola, J. (2023). *Review of the use of standardized achievement tests for accountability purposes in education: A study of Chile and Columbia*. Educational Policy & Leadership. **Member**.

Hadley, M. (2022). *Covid-19 and health literacy in university students*. School of Public Health. **Member**.

Megale, A. (2022). *Applying the theory of planned behavior to intentions to seek couple therapy: The Role of attachment, relationship satisfaction, and expectations*. Counseling Psychology. **Member**.

Xu, Xinyun. (2022). *Randomization and non-parametric tests*. Educational Psychology & Methodology. **Member**.

Kirkinis, K. (2021). *The Impact of Workplace Racial Discrimination on Inclusion and Talent Retention*. Counseling Psychology. **Member**

Martin, C. (2021). *Racism, mental health and the role of identity integration for multiracial people*. Counseling Psychology. **Member**.

Murray, J. (2021). *In search of hidden talents: Stress-adapted students, academic achievement, and classroom characteristics*. Educational Psychology & Methodology. **Member**.

Lui, A. (2020). *Students' responses to teacher feedbacks*. Educational Psychology & Methodology. **Member**.

Park, S.-Y. (2020). *Cross-cultural validation of the Multicultural Counseling Self-Efficacy-Radical Diversity Form for Korean counselors*. **Member**.

Taylor, E. (2020). *The supervisory working alliance, relational behavior, and supervisee nondisclosure: Does humility matter?* Counseling Psychology. **Member**.

Thomas, J. (2020). *An examination of Response to Intervention implementation in New York State*. Educational Psychology & Methodology. **Member**.

Zhang, S. (2020). *Developing Item-Score Reliability Thresholds*. Educational Psychology & Methodology. **Chair**.

Kangos, K. (2019). *Understanding how therapists' cultural humility contributes to therapy outcomes for lesbian, gay, and bisexual Christian clients*. Counseling Psychology. **Member**.

Muetzelfeld, H. (2019). *Parental conflict during childhood, adulthood romantic relationship satisfaction, and attachment insecurity: A test of two competing models*. Counseling Psychology. **Member**.

Weaver, J. (2019). *Learning a New Physics Concept by Exploring Analogous Problems*. Educational Psychology & Methodology. **Member**.

Gibson, A. (2017). *Supervisee nondisclosure: Is it predicted by supervisory working alliance, collaborative supervision, and relational behavior?* Counseling Psychology. **Member**.

Marathe, D. (2017). *Helicopter parenting*. Educational Psychology & Methodology. **Member**.

Sahin, F. (2017) *Exploring validity of computer-based test scores with examinees' response behaviors and response times*. Educational Psychology & Methodology. **Chair**.

Basila, C. (2016). *Academic performance in college online courses: The role of self-regulated learning, motivation and academic self-efficacy*. Educational Psychology & Methodology. **Member**.

Cotler, J. (2016). *The impact of online teaching and learning about emotional intelligence, Myers Briggs personality dimensions and mindfulness on personal and social awareness*. Informatics. **Member**.

Hogan, K. (2016). *Self-regulated learning by adults in an online professional development context*. Educational Psychology & Methodology. **Member**.

O'Connor, J. (2015). *Physical activity and sports participation as predictors of suicidal behavior in high school students*. School Psychology. **Member**.

### **Undergraduate Honors Senior Project (N = 1)**

Usen, Lillian (2023). *Transition Programs to Facilitate Employment for Young Adults with Autism Spectrum Disorder*. Human Development major. **Project Advisor**.

## **SERVICE**

### **Department of Educational & Counseling Psychology**

**Chair**, 2022 – present

**Member**, Division Comprehensive Exam Committee, 2022

**Chair**, Division Comprehensive Exam Committee, 2020 – 2021

**Member**, Methodology Comprehensive Exam Committee, 2018 – 2019

**Chair**, Methodology Comprehensive Exam Committee, 2015 – 2018

**Chair**, Doctoral Student Research Tool Committee, 2017 – 2018

**Member**, Ad Hoc Committee to Plan Departmental Statistics Sequence, 2016

**Member**, Search Committee for Statistics Assistant/Associate Professor, 2014 – 2015

### **School of Education**

**Chair**, Academic Council, 2016 – 2023

**Member**, Academic Council, 2015 – 2016

### **University**

**Member**, Graduate Academic Council, 2021-22

**Member**, Ad Hoc Committee on GRE Use for Graduate Admissions, 2020

**Instructor**, Freshman Year Experience classes, Fall 2020, Fall 2021

## **SUNY**

**Member**, Open SUNY Online Readiness Assessment Project Advisory Board, 2018 – 2020

### **Federal Agencies**

**Principal Member**, Institute of Education Sciences' (IES) Social, Emotional, and Behavioral Research Scientific Review Panel, 2021-2024

**Peer Reviewer**, United States Department of Education: State assessment plans, 2017 – 2023, 2026

**Principal Member**, Institute of Education Sciences' (IES) Reading, Writing, and Language Development Education Research Scientific Review Panel, 2019-2021

**Peer Reviewer**, United States Department of Education: Innovative Assessment Demonstration Authority, 2020

**Reviewer**, Institute of Education Sciences (IES): Reading, Writing, & Language Development Grant Proposals, 2019

### **Profession**

#### **Associate Editor**

*Journal of Psychoeducational Assessment*, 2025-present

#### **Editorial Board**

*Journal of Psychoeducational Assessment*, 2022-present

*Practical Assessment, Research & Evaluation*, 2020-present

#### **Ad hoc Reviewer**

*Assessment*, 2020, 2021

*Behavior Research Methods*, 2024

*Educational Measurement: Issues & Practice*, 2021-present

*International Review of Research in Open and Distance Learning*, 2015, 2018, 2020, 2021, 2022, 2025, 2026

*Journal of Children and Media*, 2024

*Journal of Educational Measurement*, 2016 – 2018, 2024

*Journal of Psychoeducational Assessment*, 2019 -2022

*Measurement and Evaluation in Counseling and Development*, 2018 -present

*Physics Teacher*, 2016

*Psychology in the Schools*, 2024

*Psychological Reports*, 2019, 2020

*Undergraduate Journal of Psychology*, 2021

**Publications Committee Member**, National Council on Measurement in Education (NCME), 2022-23, 2024-25

**Publications Committee Co-Chair**, National Council on Measurement in Education (NCME), 2023-24

**Advisory Committee Member**, Diagnostic Assessment and Achievement of College Skills (DAACS), 2021-2025

**Program Committee Member Annual Conference**, National Council on Measurement in Education (NCME), 2020

**Training and Professional Development Committee Member**, National Council on Measurement in Education (NCME), 2018 – 2019

**Proposal reviewer**, Northeast Educational Research Association (NERA), 2012 – present

**Proposal reviewer**, National Council on Measurement in Education (NCME), 2013, 2014, 2017, 2018

**Conference Co-chair**, Northeast Educational Research Association (NERA), 2015

## **PROFESSIONAL AFFILIATIONS**

American Educational Research Association (AERA), 2011 – 2021, 2025

American Evaluation Association, 2021

International Association of Computerized Adaptive Testing (IACAT), 2012 – present

National Council on Measurement in Education (NCME), 2011 – present

Northeast Educational Research Association (NERA), 2010 – present

## **PROFESSIONAL DEVELOPMENT**

SUNY SAIL Department Chair Academy, Summer 2023

Provost's Leadership Academy, University at Albany, 2022-23

## **AWARD**

2019                    School of Education's Excellence in Full-Time Teaching Award