

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> ($IF = 2.018$)

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)
- 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)
- 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)
- 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)
- 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)
- 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)
- 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)
- 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. (IF = 2.175)

- 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* ([1st], 2nd, and 3rd 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* ([1st], 2nd, and 3rd 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)
NIH 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 & Alandson 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., Schlomer, 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., Schlomer, 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., Palladéro, 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]. 13th 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