

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

University at Albany, SUNY  
Educational & Counseling Psychology  
1400 Washington Ave., Catskill 251  
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**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**

- 2014 – present        **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

**AWARD**

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

## PUBLICATIONS

student co-author

### Peer Reviewed Articles ( $N = 17$ )

- 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*. <https://doi.org/10.1177/0734282920915063>
- 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.
- 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>
- Emelianchik-Key, K. & **Colvin, K. F.** (2019). The Teen Screen for Dating Violence: An Item Response Theory Analysis. *Journal of Interpersonal Violence*. (2018 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.
- 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. doi: 10.1186/s40359-019-0334-8
- 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, 222-225. doi: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. doi: 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. doi: 10.1037/trm0000090 (IF = 1.43)
- 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. doi: 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. doi:10.1080/08957347.2015.1102912 (IF = 0.750)

- 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. doi: 10.1111/jcal.12126 (IF = 1.253)
- 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. doi: 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.
- 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. doi: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. doi: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. doi:10.15241/ev.4.5.541

### **Manuscripts under Review in Peer Reviewed Journals**

- Brenner, R. E., **Colvin, K. F.**, Hammer, J. H., & Vogel, D. L. (revise and resubmit). *Using item response theory to develop revised (SSOSH-7) and screener (SSOSH-3) Self-Stigma of Seeking Help scales.*
- Colvin, K. F.**, & Gorgun, G. *Collapsing scale categories: Comparing the psychometric properties of resulting scales.*
- Colvin, K. F.**, & Gorgun, G. (under review) *Estimating reliability of single-item measures using a coefficient alpha alternative.*
- Jordan, H., **Colvin, K. F.**, Kim, E., Martin, J. L., & Madson, M. B. (under review) *Confirming the structure and validity of the PDPS in a nationwide sample.*
- Kirkinis, K., & **Colvin, K. F.**, Carter, R. T. (under review) *A meta-analytic review of racial discrimination: Relationships to mental health and culture among Black Americans*
- Yilmaz-Gozu, H., Newman, J., & **Colvin, K. F.** (revise and resubmit) *Effects of parenting differences in mothers and fathers on self-esteem and academic ability in Turkey and the United States.* Revise and resubmit.

## 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). New York, NY: 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). Lanham, MD: 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

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. doi 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. <http://dx.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. Boston, MA: 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.* Boston, MA: 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

#### **School of Education, 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 Proposal Under Review**

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)

### **Foundation Proposal Under Review**

Sponsor: Robert Wood Johnson Foundation: Interdisciplinary Research Leaders  
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  
Dates: September 1, 2020 through August 31, 2023  
Cost: \$350,000

### **Federal Proposals Not Funded**

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 Proposal Not Funded**

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

### **CONFERENCE PRESENTATIONS (N = 37)**

#### student co-author

Harris, M., Shaw, A., Manganello, J.L., & Colvin, K. F. (2020, August). *Development of the Refugee Health Literacy Assessment Tool*. Abstract to be presented at the 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 to be presented at the 2020 Counseling Psychology Conference, New Orleans, LA.

Gorgun, G., **Colvin, K. F.**, Roohr, K. C., & Ling, G. (2020, April). *Multilevel Analyses of Subgroups on the Major Field Test of Business*. A paper to be presented at the annual meeting of the National Council on Measurement in Education, San Francisco, CA.

**Colvin, K. F.**, Gorgun, G., & Zhang, S. (2019, April). *Assessing the Reliability of Single-Item Measures*. A paper presented at the annual meeting of the National Council on Measurement in Education, Toronto, ON.

Gorgun, G. & **Colvin, K. F.** (2019, April). *The influence of rating scale on coefficient alpha and alternative reliability measures*. A paper presented at the 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 presented at the 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 presented at the annual meeting and 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*. A poster presented at the annual meeting of the Council for Exceptional Children, Indianapolis, IN.

- Colvin, K. F. & Gorgun, G.** (2018, October). *Reliability of single-item measures*. Paper presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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*. Poster presented at the 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 presented at the 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 presented at the 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*. Poster presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 presented at the 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 640 – Educational & Psychological Measurement (F14, F15, F16, S18, S19, S20)

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

EPSY 751 – Multivariate Methods for Applied Researchers (S15, S16, S17, F17, F19)

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

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

EPSY 441 – Social Issues in Testing (S16)

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

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

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

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

EPSY 890 – Research & Independent Study (S16, F16, S18, S19, F19)

### **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)

#### **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** (19 total, 6 in progress; chair of 2 committees)

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

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

Murray, J. (in progress). *Fast and slow teaching techniques*. Educational Psychology & Methodology. **Member**.

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

Taylor, E. (in progress). *Supervisory working alliance and relational humility as predictors of supervisee nondisclosure*. Counseling Psychology. **Member**.

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

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**.

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**.

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

## **SERVICE**

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

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

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

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

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

### **School of Education**

**Chair**, Academic Council, 2016 – present

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

### **University**

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

### **SUNY**

**Member**, Open SUNY Online Readiness Assessment Project, 2018 – present

### **Federal Agencies**

**Principal Member**, Institute of Education Sciences' (IES) Reading, Writing, and Language Development Education Research Scientific Review Panel, 2019-2024

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

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

**Lead Peer Reviewer**, United States Department of Education: State assessment plans, 2018 – present

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

## **Profession**

**Editorial Board**, Practical Assessment, Research & Evaluation, 2020-2021

## **Ad hoc Reviewer**

*International Review of Research in Open and Distance Learning*, 2015, 2018

*Journal of Educational Measurement*, 2016 – 2018

*Journal of Psychoeducational Assessment*, 2019, 2020

*Measurement and Evaluation in Counseling and Development*, 2018, 2019

*Physics Teacher*, 2016

*Psychological Reports*, 2019

**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 – present

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