Curriculum Vitae
MARIOLA MOEYAERT, Phd, MBA
Associate Professor of Applied Statistics
mmoeyaert@albany.edu

EDUCATION

2014   **Ph.D.** (Magna cum laude), Quantitative Methods in Educational Sciences, KU Leuven, Belgium.

Dissertation: <u>Three-Level Synthesis of Single-Subject Experimental Data: Further Developments, Empirical Validation and Applications</u>. Doctoral Mentor, Wim Van den Noortgate, Associate Professor and Dean of Psychology and Educational Sciences.

2019   **MBA** (Magna cum laude), University at Albany, School of Business.

Thesis: <u>The impact and implications of implementing a Portable SMART (Sustainable Medical Access to Renewable Technologies) health care clinic in sub-saharan Africa.</u> Thesis Mentor, Gerald Shaye, Associate Professor

2011   **M.S**. (Magna cum laude), KU Leuven, Belgium, Department of Educational Sciences, Centrum of Methodology.

Thesis: <u>The Attitude of Students towards Classroom Response Systems in Higher Education</u>. Thesis Mentor, Geraldine Clarebout, Associate Professor.

2009   **B.A.** (Magna cum laude), Katho RENO, Belgium, Mathematics, Biology and Physics.

EMPLOYMENT

2020 - Present   **Associate Professor of Statistics**, Educational and Counseling Psychology, University at Albany, School of Education, State University of New York.

2015 - 2020   **Assistant Professor of Statistics**, Educational and Counseling Psychology, University at Albany, School of Education, State University of New York.

2014 - 2015   **Postdoctoral Research Trainee**, Statistics and Research Design, City University of New York. Postdoctoral Mentor, David Rindskopf, Ph.D.

AWARDS

Anastasi Dissertation Award Division 5 of the American Psychological Association, 2016.

Early Career Award of the University at Albany, 2021. https://www.albany.edu/news-center/news/2021-six-junior-faculty-are-recognized-auspicious-beginnings-careers

PUBLICATIONS

* indicates student co-author
** indicates methodological paper

Refereed Articles[1] (*N* = 82)

Gamache, K., Rice, K, & **Moeyaert, M.** (2024). The impact of psychological capital on the academic achievement of underserved community college students. *Journal of Applied Research in the Community College,* 21(2), 77-92.

*Orlowski, E. W., **Moeyaert, M**., *Monley, C., & *Redden, C. (2024). The effects of cultural humility on therapeutic alliance and psychotherapy outcomes: A systematic review and meta-analysis. Counselling and Psychotherapy Research. https://doi.org/10.1002/capr.12835 (IF = 1.2)

*Cheng, Q, Yan, Z., **Moeyaert, M**., & Bangert-Drowns, B. (2024). Mobile Multitasking in Learning: A Meta-Analysis of Causal Effects of Mobilephone Distraction on Young Adults' Immediate Recall. *Computers and Human Behavior, 162. https://doi.org/10.1016/j.chb.2024.108432.* (IF = 4.9)

** **Moeyaert, M**., & *Xue, Y., *Lou, Y., & Yang, P. (2024). Empirical investigation of the impact of unbalanced moderators in single-case multilevel meta-analysis: A Monte Carlo simulation study. *Journal of Experimental Education*. https://doi.org/10.1080/00220973.2024.2394951 (IF = 1.9)

** Kanayama, A., Siraj, I., **Moeyaert, M.,** Steiner, K., Yu, E. C., Ereky-Stevens, K., Iwasa, K., Ishikawa, M., Kahlon, M., Warnatsch, R., Dascalu, A., He, R., Mehta, P. P., Robinson, N., & Shi, Y. (2024). PROTOCOL: Key characteristics of effective preschool-based interventions to promote self-regulation: A systematic review and meta-analysis. *Campbell Systematic Reviews*, 20, e1383. https://doi.org/10.1002/cl2.1383

Campbell, A., Sallese, M. R., & **Moeyaert, M.** (2024). Assessing the need to culturally adapt behavior support for African American children with/at risk for emotional behavioral disorders. *School Psychology*. Advance online publication. https://doi.org/10.1037/spq0000648 (IF = 2.821)

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[1] [1] One year impact factors (IF) at the year of publication are in parentheses. If the IF at year of publication is not available, then the five year IF is listed.

Urton, K., **Moeyaert, M.**, Grunke, M., Boon, R., Wasserman, A., & Nobel, K. (2024). Effects of graphic organizer interventions on competencies for at-risk students and students with disabilities: A three-level meta-analysis of single-case data. *Exceptionality, 1-23.* https://doi.org/10.1080/09362835.2024.2389080. (IF = 1.3)

Kethineni, S., **Moeyaert, M.,** Frazier-Kouassi, S.; & Sundaravadivelu, D. (2024). Sexual violence in public schools in the United States. *Journal of School Violence,* 23(3), 405-417.doi: DOI: 10.1080/15388220.2024.2309560 *(*IF = 2.835)

Borst, M. A., **Moeyaert, M.,** & Van Rood, Y. R. (2024). Investigating the effect of Eye Movement Desensitization and Reprocessing on fibromyalgia (EMDR4FM): a multiple-baseline experimental case study across ten participants. *Neuropsychological Rehabilitation,* 1-33. DOI: 10.1080/09602011.2024.2314883

** **Moeyaert, M**., *Dehghan-Chaleshtori, M., *Xu, X., & *Yang, P (2023) Single-case design meta-analyses in education and psychology: a systematic review of methodology. *Front. Res. Metr. Anal.* 8:1190362. doi: 10.3389/frma.2023.1190362

Van Beek, A., **Moeyaert, M.**, Ragheb, B., Price, E., MacEwan, J., & Ansell*, J. (*2024). Outcomes of Warfarin Home INR Monitoring vs Office-Based Monitoring: A Retrospective Claims-Based Analysis. *Journal of General Internal Medicine, 39,* 1127-1134. *DOI:* https://doi.org/10.1007/s11606-023-08348-4 (IF = 6.4)

** Miočević, M., Klaassen, F., **Moeyaert, M.,** & Geuke, G. (2023). Optimal practices for mediation analysis in AB single case experimental designs. *Journal of Experimental Education.* doi: 10.1080/00220973.2023.2243593

** **Moeyaert, M**., *Xue, Y., & *Yang, P. (2023). Individual participant data meta-analysis including moderators: Empirical validation. *Journal of Experimental Education.* http://dx.doi.org/10.1080/00220973.2023.2208062 *(*IF = 2.755)

** * Fingerhut, J., **Moeyaert, M**., Manolov, R., Xu, X., & Park, K. H. (2023). Systematic Review of Descriptions and Justifications Provided for Single-Case Quantification Techniques. *Behavior modification*, *47*(5), 1115-1143. https://doi.org/10.1177/01454455231178469 (IF = 3.319)

Virues Ortega, J., Pérez-Bustamante Pereira, A., Martin, N., **Moeyaert, M**., Krause, P.A., Tarifa-Rodriguez, A., Trujillo, C., Sivaraman, M. (2023). Reducing face touching through haptic feedback: A treatment evaluation against fomite-mediated self-infection. *Journal of Applied Behavior Analysis*, 56(3), 549-564. https://doi.org/10.1002/jaba.996 (IF = 3.088)

** *Fingerhut, J., & Moeyaert, M. (2022). Selecting and justifying quantitative analysis techniques in single-case research through a user-friendly open-source tool. *Frontiers in Education,* 7:1064807. doi: 10.3389/feduc.2022.1064807 (IF = 2.32)

** **Moeyaert, M** , & *Dehghan-Chaleshtori, M. (2022*).* Evaluating the design and evidence of single-case experimental designs using the What Works Clearinghouse

standards, Evidence-Based Communication Assessment and Intervention. *Evidence-Based Communication and Intervention*. https://doi.org/10.1080/17489539.2022.2139148 (IF = 0.12)

** **Moeyaert, M.**, & *Fingerhut, J. (2022). Quantitative synthesis of N-of-1 studies using meta-analysis: Overview methods and application. *Harvard Data Science Review*. (Special Issue 3). https://doi.org/10.1162/99608f92.3574f1dc

*Akhmedjanova, D., & **Moeyaert, M.** (2022). The effectiveness of writing interventions for second language learners: A single-case experimental design analysis. *Frontiers in Education*, *7*. Doi: 10.3389/feduc.2022.841395 (IF = 1.85)

** Miočević, M., **Moeyaert, M**., Mayer, A., Montaya, A., (2022). Causal mediation analysis in single-case experimental designs. *Evaluation & the Health Professions, 45*(1), 3-7. Doi: 10.1177/01632787211073194

*Fingerhut, J., & **Moeyaert, M**. (2022). Training individuals to implement discrete trials with fidelity: A meta-analysis. *Focus on Autism and Other Developmental Disabilities, 37* (4), 239-250. https://doi.org/10.1177/10883576221081076 (IF =3.042)

Puccioni, J., Froiland, J.M., **Moeyaert, M.,** Desir, S. & Galimore, Z. (2021). Associations among African American parents' beliefs, involvement, and measures of school readiness. *Journal of Child and Family Studies, 31,* 1246-1260. https://doi.org/10.1007/s10826-021-02092-1 (IF = 2.3)

Joo, S., Ferron, J., Moeyaert, M**., Beretvas, S., & Van den Noortgate, W. (2022). Comparison of within- and between-series effect estimates in the meta-analysis of multiple baseline studies. *Journal of Educational and Behavior Statistics, 47*(2), 131-166. https://doi.org/10.3102/10769986211035507 (IF = 1.375)

Moeyaert, M., & *Yang, P. (2021). Assessing generalizability and variability of single-case design effect sizes using two-stage multilevel modeling including moderators. *Invited paper for the journal Behaviormetrika*, *48*, 207-229. Doi: 10.1007/s41237-021-00141-z (IF = 1.57)

** **Moeyaert, M.**, *Yang, P.. & *Xu, X. (2022). The power to explain variability in intervention effectiveness in single-case research using hierarchical linear modeling. Special Issue. *Perspectives on Behavior Science, 45*(1)*,* 13-35. https://doi.org/10.1007/s40614-021-00304-z (IF =2.235)

Moeyaert, M., *Yang, P., *Xu, X., & *Kim, E. (2023). Characteristics of moderators in meta-analyses of single-case experimental design studies. *Behavior Modification, 47*(6), 1510-1545. https://doi.org/10.1177/01454455211002111 (IF = 2.204)

Jamshidi, L., *Declercq, L., Fernández-Castilla, B., Ferron, J., **Moeyaert, M., Beretvas, S.N.,

& Van den Noortgate, W. (2021). Bias adjustment in multilevel meta-analysis of standardized single-case experimental data. *Journal of Experimental Education*, 89, 334-361. https://doi.org/10.1080/00220973.2019.1658568 (IF = 1.867)

Manolov, R., **Moeyaert, M.**, *Fingerhut, J. (2021) A priori metric justification for the quantitative analysis of single-case experimental data. *Perspectives on Behavior Science.* https://doi.org/10.1007/s40614-021-00282-2

*Fingerhut, J., *Xinyun, X., & **Moeyaert, M.**, (2021). Selecting the Proper Tau-U measure for single-case experimental designs: Development and application of a decision flowchart. *Evidence-Based Communication and Intervention, 15*(3), 99-114. https://doi.org/10.1080/17489539.2021.1937851 (IF = 0.83)

** *Fingerhut, J., *Xinyun, X., & **Moeyaert, M.**, (2021). Impact of within-case variability on Tau-U and regression-based effect size measures for single-case experimental data: A Monte Carlo simulation study. *Evidence-Based Communication and Intervention, 15*(3), 115-141. https://doi.org/10.1080/17489539.2021.1933727 (IF = 0.83)

*Jamshidi, L., **Moeyaert, M**., Ferron, J. Beretvas, S. N., & Van den Noortgate, W. (2022). A systematic review of single-case experimental design meta-analyses: Characteristics of study designs, data, and analyses. *Evidence-Based Communication and Intervention.* Doi: 10.1080/17489539.2022.2089334 (IF = 0.83)

Jamshidi, L., Heyvaert, M., Declercq, L., Fernandez-Castilla, B., Ferron, J., Moeyaert, M., Beretvas, S. N., Onghena, P., & Van den Noortgate, W. (2022). A systematic review of single-case experimental design meta-analyses: Characteristics of study designs, data, and analyses. *Evidence-Based Communication Assessment and Intervention.* https://doi.org/10.1080/17489539.2022.2089334

Epstein, L. H., Bickel, W. K., Czajkowski, S. M., Paluch, R. A., **Moeyaert, M.,** & Davidson, K. W. (2021). Single case designs for early phase behavioral translational research in health psychology. *Health psychology : official journal of the Division of Health Psychology, American Psychological Association*, *40*(12), 858–874. https://doi.org/10.1037/hea0001055 (IF = 3.056)

Moeyaert, M., *Bursali, S, & Ferron, J. (2021). SCD-MVA: A mobile application for conducting single-case experimental design research during the pandemic. Special issue "COVID-19 and Human Behavior with Emerging Technologies**.** *Human Behavior and Emerging Technologies, 3(1),* 75-96*.* doi: 10.1002/hbe2.223

** Declercq, L., Jamshidi, L., Fernández Castilla, B., **Moeyaert, M.,** Beretvas, S. N., Ferron, J. M., & Van den Noortgate, W. (2022). Multilevel Meta-Analysis of Individual Participant Data of Single-Case Experimental Designs: One-Stage versus Two-Stage Methods. *Multivariate*

behavioral research, *57*(2-3), 298–317. https://doi.org/10.1080/00273171.2020.1822148 (IF = 2.750)

Asaro-Saddler, K., **Moeyaert, M**., *Xinyun, X., & *Zhao, A. (2020). Multilevel meta-analysis of the effectiveness of self-regulated strategy development to increase the number of correct words read and the quality of written words for children with Autism. *Exceptionality*. Doi: 10.1080/09362835.2020.1850457 (IF = 1.364)

Jamshidi, *Declercq, L., Fernández-Castilla, B., Ferron, J. M., **Moeyaert, M., Beretvas, S. N., & Van den Noortgate, W. (2020). Multilevel meta-analysis of multiple regression coefficients from single-case experimental studies. *Behavior Research Methods*, *52*(5), 2008–2019. https://doi.org/10.3758/s13428-020-01380-w

Moeyaert, M. , *Akhmedjanova, D., Ferron, J., Beretvas, S. N., & Van den Noortgate, W. (2020). Effect size estimation for combined single-case experimental designs. *Evidence Based Communication Assessment and Intervention, 14*(1-2), 28–51. https://doi.org/10.1080/17489539.2020.1747146 (IF = 0.83)

Miočević, M., Klaassen, F., Geuke, G., **Moeyaert, M., & Maric, M. (2020). Using Bayesian methods to test mediators of intervention outcomes in single case experimental designs. *Evidence-based Communication Assessment and Intervention, 14(1-2), 52-68.* https://doi.org/10.1080/17489539.2020.1732029 (IF = 0.83)

Puccioni, J., Froiland, J. M., **Moeyaert, M.** (2020). Preschool teachers' transition practices and parents' perceptions as predictors of involvement and children's school readiness. *Children and Youth Services Review.* (IF = 1.684)

Moeyaert, M., Manolov, R., & *Rodabaugh, E. (2020). Meta-analysis of single-case research via multilevel models: Fundamental concepts and methodological considerations. *Behavior Modification,* 44(2), 265-295. https://doi.org/10.1177/0145445518806867 (IF =1.455)

Declercq, L., Jamshidi, L., Fernández-Castilla, B., Beretvas, S., **Moeyaert, M., Ferron, J., & Van den Noortgate, W. (2019). Analysis of single-case experimental count data using the linear mixed effects model: A simulation study. *Behavior Research Methods*, 51(6), 2477-2497. https://doi.org/10.3758/s13428-018-1091-y (IF = 3.623)

Declercq, L., Cools, W., Beretvas, S. N., **Moeyaert, M**., Ferron, J. M., & Van den Noortgate, W.(2020). MultiSCED: A tool for (meta-)analyzing single-case experimental data. *Behavior Research Methods*, 52, 177-192. doi.org/10.3758/s13428-019-01216-2 (IF = 3.623)

Babik, I., Cunha, A., **Moeyaert, M**., Hall, M., & Lobo, M. (2019). Feasibility and effectiveness of intervention with the Playskin Lift[TM] exoskeletal garment for infants at risk. J*ournal of Physical Therapy*, *99*(6), 666-676. (IF = 2.764)

Grünke, M., Saddler, B., Asaro-Saddler, K., & **Moeyaert, M**. (2019). The effects of a peer-tutoring intervention on the text productivity and completeness of narratives written by eighth graders with learning disabilities. *International Journal for Research in Learning Disabilities, 4*(1), 1-35. https://doi.org/10.28987/ijrld.4.1

Harpøth, T. S. D., Kongerslev, M. T**., Moeyaert, M.,** Bo, S., Bateman, A. W., & Simonsen, E. (2019). Evaluating "mentalizing positive affect" as an intervention for enhancing positive affectivity in borderline personality disorder using a single-case multiple-baseline design. *Psychotherapy*. https://doi.org/10.1037/pst0000251 (IF = 2.573)

Saddler, B., Asaro-Saddler, K, **Moeyaert, M.**, & Slichko, J. (2019). Teaching summary writing to students with learning disabilities via strategy instruction. Reading & Writing Quarterly, 35, 572-586. doi.org/10.1080/10573569.2019.1600085 (IF = 1.333)

Moeyaert, M., Klingbeil, D., *Rodabaugh, E. & *Turan, M. (2021). Three-level meta-analysis of single-case data regarding the effects of peer tutoring on academic and social-behavioral outcomes for at-risk students and students with disabilities. *Remedial and Special Education, 42*(2), 94-106*.* https://doi.org/10.1177/0741932519855079 (IF = 2.817)

Moeyaert, M. (2019). Quantitative synthesis of research evidence: Multilevel meta-analysis. *Behavior Disorders*, *44,* 241-256*.* https://doi.org/10.1177/0198742918806926 (IF = 1.161)

Behrman, A., Ferguson, S. H., Akhund, A., & **Moeyeart, M**. (2019). The effect of clear speech on temporal metrics of rhythm in Spanish-accented speakers of English. *Language and Speech*, *62*(1), 5–29. https://doi.org/10.1177/0023830917737109 (IF =1.235)

Joo, S., Ferron, J., Moeyaert, M**., Beretvas, S. N., & Van den Noortgate, W. (2018). The impact of response-guided baseline phase extensions on treatment effect estimates. *Research in Developmental Disabilities, 79,* 77-87. doi:10.1016/j.ridd.2017.12.018 (IF = 1.630)

Baker, E. R., Jensen, C.J., **Moeyaert, M**., & *Bordoff, S. (2020). Socioeconomic status and early childhood aggression: Moderation by theory of mind for relational, but not physical aggression. *Early Child Development and Care*, *190*(8), 1187-1201. https://doi.org/10.1080/03004430.2018.1524379 (IF = 0.824)

*Stone, M., Friedlander, M.L., **Moeyaert, M.** (2018). Illustrating novel techniques for analyzing single-case experiments: Effects of pre-session mindfulness practice. *Journal of Counseling Psychology, 65,* 690-702 . (IF = 4.049)

Jamshidi, L., Heyvaert, M, Declercq, L., Fernández-Castilla, B., Ferron, J., **Moeyaert, M., Beretvas, S. N., & Van den Noortgate, W. (2018). Methodological quality of meta-

analyses of single-subject experimental studies. Invited for special issue in *Research in Developmental Disabilities,79,* 97-115. doi:10.1016/j.ridd.2017.12.016 (IF = 1.630)

Asaro-Saddler, K., Saddler, B., **Moeyaert, M**., *Akhmedjanova, D., *Bogin, D., & *McLaughlin, T. (2018). Variability on the spectrum: A self-monitoring single-case design study for students with autism spectrum disorders and attentional deficits. *Journalof Mental Disorders and Treatment*, *4*(2), 1–7. doi: 10.4172/2471-271X.1000159 (IF = 0.137)

Jamshidi, L., Declercq, L., Ferron, J., **Moeyaert, M., Beretvas, S.N., & Van den Noortgate W. (2018). Improving the methodological quality of single-case experimental design meta-analysis. *Journal of Mental Health and Clinical Psychology*, *2*(4), 1-9. (IF = 0.137)

[2]**Moeyaert, M**., Brosnan, J., Brooks, K., Healy, O., Heyvaert, M., Onghena, P., & Van den Noortgate, W. (2018). Multilevel analysis of multiple-baseline data evaluating precision teaching as an intervention for improving fluency in foundational reading skills for at risk readers. *Exceptionality*, *26*(3), 137-161. doi:10.1080/09362835.2016.1238378 (IF = 0.969)

Conner, P.S., Goral, M., Anema, I., Borodkin, K., Haendler, Y., Knoph, M., Mustelier, C., Paluska, E., Melnikova, Y., & **Moeyaert, M.** (2018). The role of language proficiency and linguistic distance in cross-linguistic treatment effects in aphasia. *Clinical Linguistics & Phonetics*, *32*(8), 739-757. doi:10.1080/02699206.2018.1435723 (IF = 1.191)

Joo, S., Ferron, J.**, Moeyaert, M**., Beretvas, S., & Van den Noortgate, W. (2017). Approaches for specifying the level-1 error structure when synthesizing single-case data, 87(1), 55-74. *Journal of Experimental Education*. doi:10.1080/00220973.2017.1409181 (IF = 1.867)

Lobo, M., **Moeyaert,** M., Babik, I., & Cunha, A. (2017). Single-case experimental design, analysis, and quality assessment for intervention research. *Journal of Neurologic Physical Therapy*, *14*, 187-197. doi: 10.1097/NPT.0000000000000187 (IF = 2.524)

Moeyaert, M., Rindskopf, D., Onghena, P., & Van den Noortgate, W. (2017). Multilevel modeling of single-case data: A comparison of Maximum Likelihood and Bayesian estimation. *Psychological Methods, 22*(4), 760-778. doi:10.1037/met0000136 (IF = 6.485)

Onghena, P., Michiels, B., Jamshidi, L., **Moeyaert, M**., & Van den Noortgate, W. (2017). One by one: Accumulating evidence by using meta-analytical procedures for single-case experiments. *Brain Impairment, 19*(1), 33-58. doi:10.1017/BrImp.2017.25 (IF = 0.977)

Asaro-Saddler, K., Saddler, B, **Moeyaert, M**., & Ellis-Robinson, T. (2017). Effects of a

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[2] Brosnan and Moeyaert are jointly first authors.

summarizing strategy on written summaries of children with emotional and behavioral disorders. *Remedial and Special Education*, *38*(2), 87-97. doi:10.1177/0741932516669051 (IF = 1.648)

Heyvaert, M., **Moeyaert, M., Verkempynck, P., Van Den Noortgate, W., Vervloet, M., Ugille. M., & Onghena, P. (2017). Testing the intervention effect in single-case experiments: A Monte Carlo simulation study. *Journal of Experimental Education*, *85*(2), 175-196. doi:10.1080/00220973.2015.1123667 (IF = 1.867)

Klingbeil, D., **Moeyaert, M**., Archerm, C., Chimnoza, T. M., & Zwolski, S. A. (2017). Efficacy of peer-mediated incremental rehearsal for English Language Learners. *School Psychology Review, 46*(1)*,* 122-140*.* doi:10.17105/SPR46-1.122-140 (IF = 1.064)

Manolov, R., & **Moeyaert, M.** (2017). Recommendations for choosing single-case data analytical techniques. *Behavior Therapy*, *48*(1), 97-114. doi:10.1016/j.beth.2016.04.008 (IF = 3.228)

Manolov, R., & **Moeyaert, M.** (2017). How can single-case data be analyzed? Software resources, tutorial, and reflections on analysis. *Behavior Modification, 41*(1)*,* 179-228. doi:10.1177/0145445516664307 (IF = 2.024)

**Moeyaert, M., Ugille, M., Beretvas, S., Ferron, J., & Van Den Noortgate, W. (2017). Methods for dealing with multiple outcomes in meta-analysis: A comparison between averaging effect sizes, robust variance estimation and multilevel meta-analysis. *International Journal of Social Research Methodology, 20*(6), 559-572. doi.10.1080/13645579.2016.1252189 (IF = 2.110)

**Moeyaert, M., Maggin, D.M., & Verkuilen, J. (2016). Reliability, validity, and usability of data extraction programs for single-case research designs. *Behavior Modification, 40*(6)*,* 874-900*.* doi:10.1177/0145445516645763 (IF = 1.455)

Moeyaert, M., Ugille, M., Ferron, J., Beretvas, S., & Van Den Noortgate, W. (2016). The misspecification of the covariance structures in multilevel models for single-case data: A Monte Carlo simulation study. *Journal of Experimental Education*, *84*(3), 473-509. doi:**10.1080/00220973.2015.1065216 (IF = 1.588)

**Moeyaert, M., Wauters, K., Desmet, P., & Van Den Noortgate, W. (2016). When easy becomes boring and difficult becomes frustrating: Disentangling the effects of item difficulty level and person proficiency on learning and motivation. *Systems*, *4*(1), 1-18. doi:10.3390/systems4010014 (IF = 1.400)

Vandercruysse, S., ter Vrugte, J., de Jong, T., Wouters, P., van Oostendorp, H., **Moeyaert, M.**, & Elen, J. (2016). The effectiveness of a math game: The impact of integrating conceptual clarifications as support. *Computers in Human Behavior*, *64*, 21-33.

doi:10.1016/j.chb.2016.06.004 (IF = 3.435)

Moeyaert, M., Ugille, M., Ferron, J., Onghena, P., Heyvaert, M, Beretvas, & Van den Noortgate, W. (2015). Estimating intervention effects across different types of single-subject experimental designs: Empirical illustration. *School Psychology Quarterly*, *25*(1), 191-211. doi:10.1037/spq0000068 (IF = 1.68)

Baek, E., **Moeyaert, M**., Petit-Bois, M., Van den Noortgate, W., Beretvas, S., & Ferron, J. (2014). The use of multilevel analysis for integrating single-case experimental design results within a study and across studies. *Neuropsychological Rehabilitation, 24*(3/4)*, 590-606. doi:10.1080/09602011.2013.835740 (IF = 1.11)

Ferron, J. M., **Moeyaert, M.,Van den Noortgate, W., Beretvas, S. N. (2014). Estimating causal effects from multiple-baseline studies: Implications for design and analysis. *Psychological Methods*, *19*(4), 493-510 (IF = 4.667)

Moeyaert, M., Ferron, J., Beretvas, S., & Van den Noortgate, W. (2014). From a single-level analysis to a multilevel analysis of single-subject experimental data. *Journal of School Psychology, 52*(2), 191-211. doi:10.1016/j.jsp.2013.11.003 (IF = 2.262)

Moeyaert, M, Ugille, M., Ferron, J., Beretvas, S., & Van den Noortgate, W. (2014). The influence of the design matrix on treatment effect estimates in the quantitative analyses of single-case experimental design research. *Behavior Modification*, *38*(5), 665-704. doi:10.1177/0145445514535243 (IF = 1.605)

Ugille, M., **Moeyaert, M., Beretvas, S., Ferron, J., & Van Den Noortgate, W. (2014). Bias corrections for standardized effect size estimates used with single-subject experimental designs. *Journal of Experimental Education, 82*(3)*, 358-374. doi:10.1080/00220973.2013.813366 (IF = 1.087)

Moeyaert, M., Ugille, M., Ferron, J., Beretvas, S., & Van den Noortgate, W. (2013). Three-level analysis of single-case experimental data: Empirical validation. *Journal of Experimental Education, 82*(1)*, 1-21. doi:10.1080/00220973.2012.745470 (IF = 0.720)

Moeyaert, M., Ugille, M., Ferron, J., Beretvas, S., & Van den Noortgate, W. (2013). The three-level synthesis of standardized single-subject experimental data: A Monte Carlo simulation study. *Multivariate Behavioral Research, 48*(5), 719-748. doi:10.1080/00273171.2013.816621 (IF = 2.971)

Moeyaert, M., Ugille, M., Ferron, J., Beretvas, S., & Van Den Noortgate, W. (2013). Modeling external events in the three-level analysis of multiple-baseline across-participants designs: A simulation study. *Behavior Research Methods, 45*(2), 547-559. doi:10.3758/s13428-012-0274-1 (IF = 3.37)

Ugille, M., **Moeyaert, M., Beretvas, S., Ferron, J., & Van Den Noortgate, W. (2012).

Multilevel meta-analysis of single-subject experimental designs: A simulation study. *Behavior Research Methods, 44*(4), 1244-1254. doi:10.3758/s13428-012-0213-1 (IF = 2.68)

Manuscripts under Review in Peer Reviewed Journals (*N* = 13)

James, D., Iyer, K., Bowling, M. A., & **Moeyaert, M**. (revise and resubmit). Internalized Racism, Stress, and Health: A Comprehensive Meta-Analytic Structural Equation Model Investigation. Ps*ychological Bulletin.*

James, D., *Yu, E. C., Wang, Y, & **Moeyaert, M.** (revise and resubmit). Internalized racism and personal self-esteem among racial and Ethnoracial Minoritized Groups: A meta-analytic review. *Psychological Bulletin.*

*Peterson, L., Friedlander, M., **Moeyaert, M.,** Peterson, C., & *Peterson, E. (revise and resubmit). Efficacy of a single session ACT-based intervention for public defender attorneys: A multiple baseline single case study. Counselling Psychology Quarterly.

Kethineni, S., Frazier-Kouassi, S.; Sundaravadivelu,D**., Moeyaert, M**., Reid, R., Vijayan, V., Neha Miriyam, T., McIntosh, S., Higemoto, Y., Jennings, W.G., Cardwell, S. M., Piquero, A.R. (revise and resubmit). Effectiveness of parent-engagement programs to reduce truancy and juvenile delinquency: A systematic review. *Campbell Systematic Reviews.*

Declercq, L., **Moeyaert, M., Beretvas, S., Ferron, J., & Van den Noortgate (revise and resubmit). Weighting strategies for multilevel meta-analysis of single-case experimental design data with multiple outcomes. *Multivariate Behavioral Research*.

Ferron, J., Zhiyao, Y., Cheng, K., **Moeyaert, M**., Beretvas, S.N., & Van den Noortgate, W. (revise and resubmit). Synthesizing single-case experimental designs: Modeling complex data structures. *Behavior Research Methods*.

Verkuilen, J., & **Moeyaert, M.** (revise and resubmit). Causal heterogeneity, moderation, and mediation in single-case experimental designs: A conceptual overview. *Evaluation and the Health Professions*.

Orlando, J., **Moeyaert, M.,** & Lobo, M. (revise and resubmit). Enhanced Play Education for Parents Can Positively Impact Development in Infancy: A Randomized Controlled Trial. *Child Development.*

Ghazali, H., Asaro-Saddler, K., Hamsho, N., & **Moeyaert, M**. (under review). Mastering time: A multiple baseline study on the efficacy of the wooden Montessori calendar in advancing temporal skills in autistic children. *Journal of Autism and Developmental Disorders*.

* **Xu, X., **Moeyaert, M.,** & Van den Noortgate, W. (under review). Sampling distribution of non-overlap indices using Bootstrapping procedure: A Monte Carlo simulation study and empirical demonstration. *Behavior Research Methods*.

Bloeser, K. J., & **Moeyaert, M.** (under review). A meta-analysis of evidence-based psychotherapies for posttraumatic stress disorder: Efficacy for veterans, people of Color, and women. *Cultural Diversity and Ethnic Minority Psychology*

*Brunkow, A., **Moeyaert, M.**, *Kimber, J., Winograd, D.M., *Cannon, M., Long, P., & McAndrew, L. M. (under review). Comparative effectiveness of non-pharmacological treatments for chronic musculoskeletal pain: A meta-analysis. *Annals of Behavioral Medicine.*

*Kelly, E. A., & **Moeyaert, M.** (under review). A Classroom of One's Own: Heterogeneity in Girls' Mathematics Achievement Using Multilevel Modeling and TIMSS. Contemporary Educational Psychology. (IF = 3.9)

Invited Newsletter Article (*N* = 2)

Moeyaert, M. (2017). Three-level synthesis of single-subject experimental data: Further extensions, empirical validation and applications. *APA, The Score*.

Moeyaert, M. (2024). Statistical Analysis and Meta-Analysis of Single-Case Experimental Data, *The Japanese Association for Behavior Analysis, 114, 4-6.*

Book Chapter (*N* = 2)

Moeyaert, M., Zimmerman, K, & Ledford, J. (2018). Analysis and meta-analysis of single-case experimental data. In J. Ledford & D. Gast (Eds.), *Single-case methodology: Applications in Special Education and Behavioral Sciences*. New York: Routledge.

Virues-Ortega, J., **Moeyaert, M.,** Sivaraman, M., Rodríguez, A.T., Castilla, B.F. (2023). Quantifying Outcomes in Applied Behavior Analysis Through Visual and Statistical Analyses: A Synthesis. In: Matson, J.L. (eds) Handbook of Applied Behavior Analysis. Autism and Child Psychopathology Series. Springer, Cham. https://doi.org/10.1007/978-3-031-19964-6_28

Work in Progress (*N* = 14)

Moeyaert, M., Fingerhut, J., Miočević, M., Valente, M., & Yang, P. (in preparation). Systematic Review of Single-Case Designs to Identify Mediator Characteristics

Moeyaert, M., Miočević, M., & Valente, M. (in preparation). Synthesis of Single-Case Design Mediation Effects using Two-Stage Multilevel Modeling.

Van den Noortgate, W., & **Moeyaert, M.** (in preparation). Variance Estimation in SCED Meta-analysis: Bootstrapping to the Rescue

James, D., Bowling, M. A., Iyer, K., & **Moeyaert, M**. (in preparation). Racial Essentialism and Bias: A Meta-analysis.

Byrne, V., Mondrey, M., Folami, A., **Moeyaert, M.,** & Licata-Hoang, C. (in preparation). Presenting a Valid and Reliable Measure of Trauma-Informed Online Teaching for Undergraduate Asynchronous Online Courses.

*Xue, Y. & **Moeyaert, M.** (in preparation). Analysis of Standardized Single-Case Experimental Data in Presence of Autocorrelation: A Monte Carlo Simulation Study

*Xue, Y., Xue, A., **Moeyaert, M**., & McMahon, D. (in preparation). Effectiveness of Augmented Reality Intervention for Individuals with ASD and IDD: Three-level Meta-analysis of Single-Subject Experimental Design Studies.

*Gathan, J., **Moeyaert, M**., Sadddler, K., & C, Yu (in preparation). The Effectiveness of Self-Regulation Strategies in Academics: A Multilevel Meta-analysis.

*Lan, L., **Moeyaert, M**., & Orlowski, E. (in preparation). The Effects of Mind-body Intervention on Mental Health Outcomes for Individuals with Autism Spectrum Disorder: A Meta-Analysis of Randomized Controlled Trials.

Drevon, D. D., **Moeyaert, M.**, Dowdy, A., Peltier, C. (in preparation). Quality indicators for single-case meta-analysis.

Tiemi da Silva Sato, N., Cunha, A. B., Zambello, V., **Moeyaert, M.,** & Tudella, E. (in preparation). Assessing the Feasibility and Efficacy of Task-Specific Training on Reaching and Trunk Control in Preterm Infants Compared to Positioning Training: A Randomized Clinical Trial

Puccioni, J. L., & **Moeyaert, M.** (in preparation). Differential associations of preschool teachers' outreach efforts on measures of school readiness for children from economically disadvantaged backgrounds.

*Xu, X., & **Moeyaert, M. (**in preparation). PowerSCED: A tool for a priori power calculations for the design of single-case experimental designs.

Benavides Corcelles, M. X., Schuengel, C., & Jacomarg Smith, M., & **Moeyaert, M.** (in preparation). Trauma-specific interventions for individuals with intellectual disabilities: A meta-analysis of single-case experiments.

SOFTWARE TOOLS

Declercq, L., Cools, W., Beretvas, S. N., **Moeyaert, M**., Ferron, J. M., & Van den Noortgate, W. (2018). MultiSCED (Version 1.0) [Web Application]. http://34.251.13.245/MultiSCED/

Fingerhut, J., Marbou, K., & **Moeyaert, M.** (2020). Single-Case Metric Ranking Tool (Version 1.2) [Microsoft Excel tool]. https://www.doi.org/10.17605/OSF.IO/7USBJ

Moeyaert, M., & Xu, X. (2021). PowerSCED (Version 1.0) [Web application]. https://okq9ht-mariolamoeyaert.shinyapps.io/PowerSCED/

Cacciotti, D., **Moeyaert, M**., Ferron, J., & Bursali, S. (2021). Single Case Design MVA (Version1.0) [Mobile application]. https://singlecasemva.app/

GRANT FUNDING

Federal *(N = 21)*

Role: Co-Principal Investigator (PI: Matthew Valente)
Project: Methods for Investigating Causal Mechanisms in Single-Case Experimental Designs
Source: Institute of Educational Sciences
Time Period: 9/1/24-8/31/27
Total Funding: $ 896,181.00 (funded)

Role: Principal Investigator
Project: Statistical analysis and meta-analysis of single-case research
Source: Japan Society for the Promotion of Science (JSPS)
Time Period: 10/1/23-10/30/23
Total Funding: $50,000 (funded)

Role: Principal Investigator
Project: Assessing generalizability and variability of SCED effect sizes using multilevel modeling including moderators
Source: Institute of Educational Sciences
Time Period: 7/1/19-8/31/22
Total Funding: $224,998 (funded)

Role: Co-Principal Investigator (PI: Wim Van den Noortgate)
Project: Multilevel modeling of SCED data: Handling data and design complexities
Source: Institute of Educational Sciences
Time Period: 7/1/15-8/31/19
Total Funding: $899,524 (funded)

Role: Co-Principal Investigator (PI: Wendy Machalicek)
Project: Training Institute on Single-Case Intervention Research Design and Analysis
Source: Institute of Educational Sciences
Time Period: 7/1/20-8/31/2023
Total Funding: $900,000 (funded)

Role: Consultant (PI: Virginia Byrne)
Project: The Learning and Engaging at a Distance (LEAD) Initiative: Exploring Trauma-Informed Online Teaching Practices in Higher Education
Source: Institute of Education Sciences
Time Period: 7/1/23-8/31/25
Total Funding: $300,000 (funded)

Role: Consultant (PI: Jaime Puccioni)
Project: Estimating the direct and indirect effects preschool teachers' outreach efforts on children's academic and socio-emotional outcomes during the transition to elementary school
Source: Foundation for Child Development
Time Period: 7/1/17-8/31/20
Total Funding: $150,498 (funded)

Role: Consultant (PI: Ralf Schlosser)
Project: Effects of augmentative and alternative communication interventions on speech production in individuals with autism spectrum disorders and other developmental disabilities: A systematic review and meta-analysis.
Source: Health Resources and Services Administration
Time Period: 7/1/19-6/30/22
Total Funding: $ 99,993 (funded)

Role: Consultant (PI: Alison Behrman)
Project: Rhythmic entrainment in bilingual speakers with dysarthria
Source: National Institute of Health
Time Period: 7/1/17-6/30/22
Total Funding: $2,929,315 (funded)

Role: Consultant (PI: Michael Coyne)
Project: New England integrated multi-tiered systems of support
Source: Institute of Educational Sciences
Time Period: 7/1/19-8/31/22
Total Funding: $ 900,000 (funded)

Role: Consultant (PI: Diondra Straiton)
Project: Examining the active ingredients of consultation to improve implementation of a parent-mediated intervention for children with autism in the community mental health system
Source: National Institutes of Health
Time Period: 7/1/21-6/30/22
Total Funding: $ 37,981 (funded)

Role: Consultant (PI: Claudia Chisari)
Project: New treatment for women living with chronic vulvodynia
Source: National Institute of Health
Time Period: 1/1/21-3/1/21
Total Funding: (funded)

Role: Consultant (PI: Ragnar Klein Olsen)
Project: Gut Emotions: Microbiota modulation and effects on fatigue, distress and negative affectivity in psychiatric patients.
Source: Research Unit West - Psychiatric Hospital West, Slagelse
Time Period: 12/1/19-11/30/22
Total Funding: (funded)

Role: Consultant (PI: Kirstine Højgaard Dichmann)
Project: Short therapeutic intervention for mentally disordered offenders
Source: Research Unit West - Psychiatric Hospital West, Slagelse
Time Period: 12/1/19-11/30/21
Total Funding: (funded)

Role: Consultant (PI: Kåre Donskov Nielsen)
Project: Development of phenomenologically informed psychotherapy for patients with schizotypical personality disorder using single-case research
Source: Research Unit West - Psychiatric Hospital West, Slagelse
Time Period: 1/12/20-12/31/23
Total Funding: (funded)

Role: Consultant (PI: Jasmin Gryesten)
Project: Development of an intervention for persistent not on track for patients with depression using single-case research.
Source: Research Unit West - Psychiatric Hospital West, Slagelse
Time Period: 1/12/20-12/31/21
Total Funding: (funded)

Role: Consultant (PI: Peter Shea)
Project: Online learning in community colleges in NY State: Differences between classroom-only and online learners
Source: New York State
Time Period: 7/1/16-8/31/18
Total Funding: (funded)

Role: Consultant (Director Amber Mooney, The Business Council of New Work)
Project: The Public Policy Institute Surveys P-TECH Effectiveness
Source: New York State
Time Period: 3/1/20-6/30/20
Total Funding: (funded)

Role: Senior Personnel (PI: Alan Chen)
Project: MRI-Acquisition of High Performance Computing Nodes to support an Accessible Research and Teaching Instrument
Source: National Sciences Foundation
Time Period: 7/1/20-8/31/2024
Total Funding: $415,528 Direct Costs (funded)

Role: Consultant (PI: Ralf Schlosser)
Project: Visual Immersion for Children with Autism Spectrum Disorder in South African Classrooms
Source: Spencer Foundation
Time Period: 7/1/24-6/30/27
Total Funding: $ 50,000 (under review)

Role: Consultant (PI: Dr. Bettini)
Project: *CAPACITY Consortium* Source: NIDILRR
Time Period: 7/1/24-6/30/27
Total Funding: $ (under review)

Funding from Foundations and Other External Sponsors *(N = 5)*

Role: Co-Principal Investigator (PI: Milica Miočević)
Project: Single Subject Causal Mediation Analysis
Source: Lorentz center, The Netherlands
Time Period: 7/1/19-8/31/19
Total Funding: $14,520 (funded)

Role: Consultant (PI: Alison Behrman)
Project: The clear speech benefit in Spanish-accented speakers of American English
Source: The American Speech-Language-Hearing Association
Time Period: 7/1/16-8/31/18
Total Funding: (funded)

Role: Principal Investigator
Project: Three-level analysis of single-case experimental data: Characteristics and methodological issues
Source: Flemish Research Foundation
Time Period: 7/1/14-8/31/17
Total Funding: $201, 600 (funded)

Role: Principal Investigator
Project: Bayesian estimation procedures
Source: Flemish Research Foundation
Time Period: 7/1/14-8/31/15
Total Funding: $10, 000 (funded)

Role: Principal Investigator
Project: Multilevel synthesis of single-case experimental data: Further developments and empirical validation
Source: Flemish Research Foundation
Time Period: 7/1/12-8/31/16
Total Funding: $86,400 (funded)

University at Albany (*N* = 1)

Role: Principal Investigator
Project: Evidence based decisions, research and practice in education through meta-analysis: Reliability and validity of complex coding
Source: Faculty Research Awards Program (FRAP A)
Time Period: 7/1/16-8/31/17
Total Funding: $5,607 (funded)

Katholieke University Leuven – KU Leuven (*N* = 1)

Role: Principal Investigator
Project: Multilevel modeling: misspecification and estimation procedures
Source: Junior Mobility Program, KU Leuven
Time Period: 7/1/12-8/31/13
Total Funding: $10,500 (funded)

Proposals Not Funded (*N* = 18)

Role: Co-Principal Investigator (PI: Joelle Fingerhut)
Project: Comprehensive Toolkit for Effect Size Calculation and Structured Visual Analysis of Single-Case ExperimentalDesign Data
Source: Institute of Educational Sciences
Time Period: 8/1/24-7/31/26
Total Requested Funding: $ 349,141.00

Role: Co-Principal Investigator (PI: Michele Lobo)
Project: Comparative Effectiveness of Parent Education to Optimize Child Outcomes in Early Childhood
Source: National Institutes of Health
Time Period: 12/1/22-11/30/27
Total Requested Funding: $ 1,900,000

Role: Co-Principal Investigator (PI: Birdie Ganz)
Project: Partnering With Caregivers: Empowering Diverse Family Members to Promote Augmentative and Alternative Communication Use
Source: Institute of Educational Sciences
Time Period: 7/1/24-8/31/28
Total Funding: $ 1.200,000

Role: Co-Principal Investigator (PI: Rose Mason)
Project: Evidence-Based Practice in Inclusive Settings for Students with Autism: A Meta-Analysis
Source: Institute of Educational Sciences
Time Period: 7/1/24-8/31/28
Total Funding: $ 1.200,000

Role: Co-Principal Investigator (PI: Leslie Neely)
Project: Functional communication training meta-analysis for decision making
Source: Institute of Educational Sciences
Time Period: 7/1/24-8/31/28
Total Funding: $ 1.200,000

Role: Consultant (PI: Brandi Simmonsen)
Project: Strengthening Tiers 1 and 3 intervention Alignment for Better Learner Experiences
Source: Institute of Educational Sciences
Time Period: 7/1/24-8/31/28
Total Funding: $ 900,000

Role: Consultant (PI: Ralf Schlosser)
Project: Establishing Evidence-Based Input Modalities for Minimally Verbal Children with Autism
Source: NIDILRR
Time Period: 7/1/23-6/30/25
Total Funding: $ 50,000

Role: Co-Investigator (PI: Corey Peltier)
Project: Comprehensive Meta-Analysis of Word-Problem Interventions
Source: Institute of Educational Sciences
Time Period: 7/1/22-6/30/25
Total Funding: $ 900,000

Role: Co-Principal Investigator (PI: Michele Lobo)
Project: Baby Play Intervention Program: Promoting Motor, Cognitive, and Language Outcomes for Preterm Infants through Parent Education
Source: Institute of Educational Sciences
Time Period: 7/1/22-6/30/28
Total Requested Funding: 900,000

Role: Co-Principal Investigator (PI: Michele Lobo)
Project: The baby play program: Promoting motor, cognitive, and language outcomes for infants at risk for delays by educating parents on optimal early play practices
Source: Institute of Educational Sciences
Time Period: 7/1/21-8/31/25
Total Requested Funding: 1,400,000

Role: Co-Principal Investigator (PI: Peter Shea)
Project: Student Achievement, Progress, Persistence, and Success in Higher Education in the Pandemic: An Inter-institutional Investigation
Source: Institute of Educational Sciences
Time Period: 7/1/21-8/31/25
Total Requested Funding: 1,677,108

Role: Co-Principal Investigator (PI: David Dai)
Project: Giftedness in the making: A study of dynamic gifted performance across cultures
Source: American Psychological Foundation
Time Period: 7/1/20-8/31/2021
Total Funding: $ 49,994

Role: Co-Principal Investigator (PI: Wim Van den Noortgate)
Project: Handling methodological complexities in multilevel meta-analytic data
Source: Institute of Educational Sciences
Time Period: 7/1/20-8/31/23
Total Requested Funding: $ 1,385,985

Role: Co-Principal Investigator (PI: Michele Lobo)
Project: Efficacy of early parent education for improving motor and cognitive outcomes for infants born preterm.
Source: National Institute of Health
Time Period: 7/1/20-8/31/24
Total Funding: $ 3,715,908

Role: Principal Investigator
Project: Assessing generalizability and variability of SCED effect sizes using multilevel modeling including moderators
Source: National Sciences Foundation
Time Period: 7/1/18-8/31/22
Total Funding: $199,493

Role: Principal Investigator
Project: The power of designing multilevel modeling to synthesize effect sizes including moderators
Source: American Psychology Association Division 15 – Educational Psychology

Time Period: 7/1/19-8/31/21
Total Funding: $6,000

Role: Principal Investigator
Project: Assessing generalizability and variability of SCED effect sizes using multilevel modeling including moderators
Source: Institute of Educational Sciences
Time Period: 7/1/17-8/31/19
Total Funding: $199,493

Role: Principal Investigator
Project: Using quasi-likelihood to process single case data for meta-analysis
Source: Institute of Educational Sciences
Time Period: 7/1/17-8/31/19
Total Funding: $520,187

Role: Consultant (PI - Michelle Lobo)
Project: Exoskeletal garments to improve function for children with movement impairments
Source: National Institute of General Medical Sciences
Time Period: 7/1/17-8/31/20
Total Funding: $300,000

PRESENTATIONS AT SCHOLARLY CONFERENCES ($N = 88$)

* indicates student co-author

Orlando, J. M., **Moeyaert, M**, Zainab Alghamdi, & Lobo, M. A. (2025, February). *Play Education Improves Child Development: A Randomized Controlled Trial*. American Physical Therapy Association. Houston, Tx.

Orlando, J. M., Namit, S., Banoub, A., **Moeyaert, M**, & Lobo, M. A. (2025, February*). Play Education Improves Exploration for Infants at Risk of Delays: Randomized Controlled Trial Secondary Analysis.* American Physical Therapy Association. Houston, Tx.

*ChingYen, E., Andrade, Lui, A., Akhmedjanova, D., Kim, Y., & **Moeyaert, M.** (2024, September*). Effects of formative assessment on students' regulation of learning: A meta-Analysis*. 2024 NCME Special Conference on Classroom Assessment. Chicago, IL.

Straiton, D., **Moeyaert, M**., Greatorex, J., & Ingersoll, B. (2024, September*). Untapping the potential of multilevel modeling of single-case designs to identify active ingredients of implementation strategies*. Society for Implementation Research Collaboration. Denver, CO.

Isaac, A., Herrenkohl, L., Cervetti, G., Moeyaert, M., & Behnagh, R. (2024, May*). K-12 Arabic (Second Language) Learning Framework: Storytelling, Play and Sociocultural Approach*. NAFSA: Association of International Educators, New Orleans, LA.

Eisman, A. B., & **Moeyaert, M.** (2024, May). *Addressing the Opioid Crisis: Assessing Adolescent*

Health Curriculum Adaptations for Prevention. Society of Prevention Research 32nd Annual Meeting. Washington, DC.

Moeyaert, M., Miočević, M., Klaassen, F., & Geuke, G. (2024, April). *Optimal practices for mediation analysis in AB single case experimental designs.* Annual Meeting of the American Educational Research Association. Philadelphia, PA.

Moeyaert, M., Yang, P., *Xue, Y, &, *Lu, Y. (2024, April). *Impact of imbalances in single-case multilevel analysis: A Monte Carlo simulation study*. Annual Meeting of the American Educational Research Association. Philadelphia, PA.

*Xue, Y., *Xu, X., **Moeyaert, M**., & Van den Noortgate, W. (2024, April). *Sampling distribution of non-overlap indices using bootstrapping procedure: A Monte Carlo simulation study.* Annual Meeting of the American Educational Research Association. Philadelphia, PA.

Straiton, D., Greatorex, J., **Moeyaert, M.,** & Ingersoll, B. (2024, May*). Effects of a Naturalistic Developmental Behavioral Intervention on Social Communication Outcomes for Medicaid-Enrolled Autistic Children.* Association for Applied Behavior Analysis International Annual Convention, Philadelphia, PA.

Moeyaert, M. (2023, August). *The Usage of Individual Patient Data Meta-Analysis [with the inclusion of moderators] to Synthesize Personalized Trials.* Joint Statisical Meetings, Toronto, CA.

Orlando, J., **Moeyaert, M.,** Alghamdi, Z., & Lobo, M. (2023, July). *Enriched Parent Education About How to Play with Infants Can Advance Infant Development*. American Physical Therapy Association. Washington, DC.

Schlosser, R., Wendt, O., & **Moeyaert, M.** (2023, July). *Effects of AAC interventions on speech production in individuals with Autism: Systematic review and meta-analysis.* International Society for Augmentative and Alternative Communication, Cancun.

Moeyaert, M. (2023, June*). Individual Participant Data Meta-Analysis Including Moderators: Empirical Validation.* Modern Modeling Methods Conference. Storrs, CT.

Moeyaert, M. (2023, May*). Individual Patient Data Meta-Analysis [with the inclusion of moderators].* New England Statistics Symposium.

Moeyaert, M. (2023, May). *Statistical Issues Related to Single-Case Research. Single-Case Research* Conference. Vanderbilt University, Nashville, TN.

Greatorex, J., Straiton, D., **Moeyaert, M.,** & Ingersoll, B. (2023, May). *Improvement in Autism-Related Challenges for Autistic Youth Receiving Project ImPACT in the Medicaid System.* International Society for Autism Research, Stockholm, Sweden.

Straiton, D., Greatorex, J., **Moeyaert, M.,** & Ingersoll, B. (2023, May). *Effect of Group Consultation Training Activities on Clinician Adherence to the Project ImPACT Manual and Parent Coaching Competency*. International Society for Autism Research, Stockholm, Sweden.

Moeyaert, M. (2023, April). *Inferential statistics in single-case experimental designs: An overview*. **Keynote lecture**. Small is Beautiful {Once More}. Third International Symposium, Leuven, Belgium.

Moeyaert, M. (2023, April). *Meta-analysis of single-case experimental designs using RStudio*. Workshop at the Small is Beautiful Symposium on Single-Case Experimental Designs, Leuven, Belgium.

*Dehghan-Chaleshtori, M., **Moeyaert, M**., & Yang, P. (2023, April). Single-Case Experimental Design Meta-Analyses: A Systematic Review of Methodology. Annual Meeting of the American Educational Research Association. Chicago, IL.

*Kelly, E. A., & **Moeyaert, M.** (2023, April). *A Classroom of One's Own: Heterogeneity in Girls' Mathematics Achievement Using Multilevel Modeling and TIMSS*. Annual Meeting of the American Educational Research Association. Chicago, IL.

Van Beek, A., Ragheb, B., Price, E., MacEwan, J., **Moeyaert, M**, & Ansell*, J. (2023, April)*. O*utcomes of Warfarin Home INR Monitoring vs Office-Based Monitoring: A Retrospective Claims-Based Analysis.* 17th National Conference on Anticoagulation Therapy. San Francisco, CA.

Borst, M. A., Moeyaert, M., & Van Rood, Y. R. (2023, March 31). *Eye Movement Desensitization and Reprocessing (EMDR) for persistent physical symptoms: an example of its application for fibromyalgia.* Presentation given at the EMDR Congress 2023, Theater Flint, Amersfoort, the Netherlands.

*Wang, W., *Park, H.K., **& Moeyaert, M**. (2023, March). *The Effect of Self-Compassion on the Relationship between Mindfulness and Eudaimonic Well-being.* Eastern Psychological Association. Boston, MA.

Moeyaert, M. (2022, August). *Single Case Designs: MVA: A Mobile Application for Conducting Single-Case Experimental Research Remotely.* Joint Statistical Meetings. Washington, DC.

Straiton, D., & **Moeyaert, M.** (2022, May). *The effect of time and consultation on ABA provider perceptions of project impact.* Annual Meeting of the Association for Behavior Analysis International. Boston, MA

Virues Ortega, J., Pérez-Bustamante Pereira, A., Martin, N., **Moeyaert, M.,** Krause, P.A., Tarifa-Rodriguez, A., Trujillo, C., Sivaraman, M. (2022, May). *Reducing Face-Touching through Motion Sensing and Vibrotactile Cueing during the COVID-19 Pandemic: Treatment Effects and Disruptor Descriptive Analysis.* Annual Meeting of the Association for Behavior Analysis International. Boston, MA

Moeyaert, M., Yang, P., Deghan-Chalesthtori, M, & Van den Noortgate, W. (2022, April). *Empirical investigation of the impact of unbalanced moderators in single-case multilevel meta- analysis: A Monte Carlo simulation study.* Annual Meeting of the American Educational Research Association. San Diego, CA

*Fingerhut, J., **Moeyaert, M.,** Manolov, R**., & *** Xu, X. (2022, April). *Literature review of justifications provided for single-case quantification techniques.* Annual Meeting of the American Educational Research Association. San Diego, CA

Moeyaert, M., & Van den Noortgate, W. (2021, June). *Using multilevel modeling to meta-analyze single-case experimental design studies' results*. Postconference workshop at the Small Sample Size Solutions Conference, Utrecht, the Netherlands. https://s4.wp.hum.uu.nl/ (conference canceled)

Moeyaert, M., & Ferron, J. (2021, April). *Using the mobile application SCD-MVA for masked visual analysis of single-case studies*. Workshop at the Small is Beautiful Symposium on Single-Case Experimental Designs, Leuven, Belgium.

Puccioni, J., Froiland, J., & **Moeyaert, M**. (2021, April). *Differential associations among transition practices, parental perceptions, involvement, and school readiness for children from economically disadvantaged backgrounds*. Paper accepted for oral presentation at the 2021 SRCD Virtual Biennial.

*Fingerhut, J., & **Moeyaert, M.** (2021, April)**.** *Creating an Excel Tool to help researchers pick and rationalize SCED metric* [Structured Poster Session]. Virtual Annual Meeting of the American Educational Research Association.

*Dehghan-Chaleshtori, M., & **Moeyaert, M.** (2021, April)**.** *Evaluating methodological quality of SCED studies using the WWC design and evidence standards.* [Structured Poster Session]. Virtual Annual Meeting of the American Educational Research Association.

*Fingerhut, J., *Xu, X. & **Moeyaert, M**. (2021, April)**.** *Impact of Within-Case Variability on Tau-U and Regression-Based Effect Size Measures for Single-Case Experimental Data***.** Virtual Annual Meeting of the American Educational Research Association.

* Yang, P., *Xu, X.,* Kim, E, & **Moeyaert, M**. (2021, April)**.** *Power to estimate moderator effects in two-level hierarchical linear modeling of single-case data***.** Virtual Annual Meeting of the American Educational Research Association.

Wendt, O. Schlosser, R., & **Moeyaert, M**. (2020, November). *Meta-analysis of single-case-experimental designs: The effects of augmentative and alternative communication on speech production in autism and developmental disorders.* AESF 2020. Paper presented at the Working Group of Empirical Special Educational Research. https://www.uni-potsdam.de/de/inklusion/aesf-herbsttagung-2020.

Wendt, O. Schlosser, R., & **Moeyaert, M**. (2020, August). *Effects of AAC interventions on speech production in ASD: Systematic review and meta-analysis.* ISAAC 2020. International Society for Augmentative and Alternative Communication, Cancun, Mexico. https://www.isaac-online.org/english/home/ (conference canceled).

Moeyaert, M. (2020, June). *Using multilevel modeling to meta-analyze single-case experimental design studies' results*. Postconference workshop at the Small Sample Size Solutions Conference, Utrecht, the Netherlands. https://s4.wp.hum.uu.nl/ (conference canceled).

Wendt, O. Schlosser, R., & **Moeyaert, M**. (2020, May). *The effects of augmentative and alternative communication interventions on speech production in autism spectrum disorder: A systematic review and meta-analysis*. International Society for Autism Research, Seattle, WA. https://www.autism-insar.org/page/2020AnnMtg (conference canceled).

*Xu, X., *Kim, E, & **Moeyaert, M**. (2020, April). Moderators in meta-analyses of single-case experimental design studies. [Student in Progress Gala]. Annual Meeting of the American Educational Research Association. San Francisco, CA (Conference Canceled)

*Yang, P, *Xu, X., & **Moeyaert, M**. (2020, April). Bootstrap multilevel modeling for single-case experimental design studies. [Student in Progress Gala]. AERA Annual Meeting of the American Educational Research Association. San Francisco, CA (Conference Canceled)

Moeyaert, M. & *Bursali, S. (2020, Apr 17 - 21) *Masked Visual Analysis for Interrupted Time Series Data* [Structured Poster Session]. Annual Meeting of the American Educational Research Association. San Francisco, CA http://tinyurl.com/y63dhxpl (Conference Canceled)

*Xu, X. & **Moeyaert, M**. (2020, Apr 17 - 21) *Power and Type I Error of Two-Level Hierarchical Linear Modeling of Single-Case Data: Misspecification of Variances* [Structured Poster Session]. Annual Meeting of the American Educational Research Association. San Francisco, CA http://tinyurl.com/yxkggxxy (Conference Canceled)

*Fingerhut, J., *Xu, X. & **Moeyaert, M**. (2020, Apr 17 - 21**)** *Impact of Within-Case Variability on Tau-U and Regression-Based Effect Size Measures for Single-Case Experimental Data* [Roundtable Session]. Annual Meeting of the American Educational Research Association. San Francisco, CA http://tinyurl.com/s3drdke (Conference Canceled)

Moeyaert, M. (December, 2019). *SCED analysis techniques with the emphasis on moderation and mediation.* Oral presentation at the Department of Psychiatry – West in Slagelse, Denmark.

Quinn, K., **Moeyaert, M.,** *Woofenden, E., *Eacker, H., (2019, October 4-5). *A meta-analysis to examine using functional behavioral assessment to decrease problem behavior in students with emotional behavior disorders* [Poster presentation]. National PBIS Leadership Forum, Chicago, IL.

*Xu, X. & **Moeyaert, M**. (2019, October). *Power and Type I error of two-level HLM of single-case data: Misspecification of variances.* Paper presented at the North Eastern Research Association. Trumbull, Connecticut.

*Fingerhut, J., & **Moeyaert, M**. (September, 2019). *Training individuals to implement discrete trials with fidelity: A meta-analysis*. Paper presented at Association for Behavior Analysis International at Stockholm, Sweden.

Moeyaert, M. (2019, August). *Overview single-case experimental design techniques.* Paper presented at the Single-Subject Causal Mediation Analysis Conference. Leiden, The Netherlands.

*Fingerhut, J. & **Moeyaert, M.** (May, 2019). *Training individuals to implement discrete trials with fidelity: A meta-analysis*. Poster presented at Association for Behavior Analysis International at Chicago, Illinois.

*Jamshidi, L., Ferron, J., **Moeyaert, M**., Beretvas, S.N., & Van den Noortgate, W. (2019, April). *Small sample bias correction in multilevel meta-analyses of standardized single-case experimental data.* Paper presented at the Annual Meeting of the American Educational Research Association. Toronto, CA.

*Akhmedjanova, D., & **Moeyaert, M.** (2019, April). *The quantitative analysis of mixed single-case experimental data.* Paper presented at the Annual Meeting of the American Educational Research Association. Toronto, CA.

*Declercq, L., Cools, W., Beretvas, S. N., **Moeyaert, M**., Ferron, J. M., & Van den Noortgate, W. (2019, April). *MultiSCED: A tool for (meta-)analyzing single-case experimental data*. Poster presented at the Annual Meeting of the American Educational Research Association. Toronto, CA.

*Hamilton, B., Beretvas, S.N, & **Moeyaert, M**. (2019, April). Recognizing model uncertainty using bayesian model averaging. Poster presented at the Annual Meeting of the American Educational Research Association. Toronto, CA.

Moeyaert, M. (2019, January). *Methods for meta-analysis of single-case experimental data.* Paper presented at the Annual Principal Investigators Meeting (IES). Washington, DC.

*Rodabaugh, E., & **Moeyaert, M**. (2018, October). *Bayesian estimation of autocorrelation: Multilevel modeling of single-case design data*. Paper presented at the Northeastern Educational Research Association. Trumbull, CT.

*Declercq, L., Beretvas, S., **Moeyaert, M**., Ferron, J., & Van den Noortgate, W. (2018, May). *Handling count data in the analysis of single-case data: The Poisson distribution.* Paper presented at the Modern Modeling Conference. Storrs, CT.

*Rodabaugh, E., & **Moeyaert, M**. (2018, April). *Hierarchical Linear Modeling of Single-Case Experimental Data: Bayesian Estimation.* Poster presented at the Annual Meeting of the American Educational Research Association. New York City, NY.

*Akhmedjanova, D., Bogin, D., & **Moeyaert, M**. (2018, April). *Power to Test Predictor Effects in Two-Level Modeling of Single-Case Data.* Poster presented at the Annual Meeting of the American Educational Research Association. New York City, NY.

Moeyaert, M., Beretvas, S.N., *Rodabaugh, E., Ferron, J., & Van den Noortgate**, W.** (2018, March). *How to improve Bayesian estimation when synthesizing single-case experimental design studies' random effects variance components*? Paper presented at the S4 conference – Small Sample Size Solutions. Utrecht, the Netherlands.

Beretvas, S.N., Gonzalez, D. P., Park, S., **Moeyaert, M.**, Van den Noortgate**, W.**, Ferron, J. (2018, March). *How can we obtain unbiased ICC estimates for small sample size datasets*? Paper presented at the S4 conference – Small Sample Size Solutions. Utrecht, the Netherlands.

Moeyaert, M. (2017, November). *Multilevel modeling of single-subject experimental data: Methodological innovations*. One day symposium on single-subject designs at the Center for the Promotion of Research Involving Innovative Statistical Methodology (New York University). New York City, NY.

*Rodabaugh, E., **& Moeyaert, M.** (2017, October*). A multilevel modeling of single-case data tutorial for the applied researcher.* Paper presented at the Northeastern Educational Research Association. Trumbull, Ct.

Moeyaert, M. (2017, May). *Multilevel modeling of single-subject experimental data: Bayesian estimation*. Presentation at the Center for the Promotion of Research Involving Innovative Statistical Methodology (New York University). New York City, NY.

Moeyaert, M. (2017, April). *Using multilevel modeling to meta-analyze single-case experimental design studies' result*. Workshop at Annual Meeting of the American Educational Research Association. San Antonio, TX.

*Akhmedjanova, D., *Bogin, D., & **Moeyaert, M.** (2017, April*). The power to test moderator effects in multilevel modeling of single-case data.* Paper presented at the Annual Meeting of the American Educational Research Association. San Antonio, TX.

Moeyaert, M., & Verkuilen, J. (2017, April). *A quasi-likelihood/generalized estimating equation approach to count outcomes in single case experimental design*. Paper presented at Annual Meeting of the American Educational Research Association. San Antonio, TX.

Moeyaert, M. (2016, May). *Bootstrapping for two-level synthesis of single-case experimental data.* Paper presented at the Modern Modeling Methods Conference. Storrs, CT.

Moeyaert, M., & Verkuilen, J. (2016, April). *The extended generalized linear model for counts or free proportion outcomes in single-case designs.* Paper presented at the Annual Meeting of the American Educational Research Association. Washington, DC.

Moeyaert, M., Ugille, M., Van Den Noortgate, W., Heyvaert, M., & Onghena, P. (2015, April). *Misspecification issues in multilevel modeling of single-case experimental designs: Empirical illustrations.* Paper presented at the annual meeting of the American Educational Research Association. Chicago, IL.

Heyvaert, M., **Moeyaert, M.**, Ugille, M., Van Den Noortgate, W., & Onghena, P. (2015, April). *The Type I error rate and the statistical power of testing the intervention effect in single-case experiments using and hierarchical linear model or using an additive combination of randomization tests: A Monte Carlo simulation study.* Poster presented at the Annual Meeting of the American Educational Research Association. Chicago, IL.

Moeyaert, M., & Van den Noortgate, W. (2014, August). *Three-level meta-analytic models to combine several types of single-case designs.* Paper presented at the International Conference on Computational Statistics. Genève, Switzerland.

Van Den Noortgate, W., **Moeyaert, M.**, Ugille, M., Beretvas, S., & Ferron, J. (2014, March). *The synthesis of single-subject experimental data: Extensions of the basic multilevel model.* Paper presented at the Society for Research on Educational Effectiveness. Washington, DC.

Moeyaert, M., Bunuan, R., & Beretvas, S. (2014, April). *Multilevel meta-analysis of alternating treatment design studies: A Monte Carlo simulation study.* Poster presented at the Annual Meeting of the American Educational Research Association. Philadelphia, PA.

Moeyaert, M., Ugille, M., Onghena, P., & Van Den Noortgate, W. (2014, April). *Combining several types of single-case experimental designs using a three-level meta-analysis.* Poster presented at the Annual Meeting of the American Educational ResearchAssociation. Philadelphia, PA.

Heyvaert, M., **Moeyaert, M.**, Ugille, M., Van Den Noortgate, W., & Onghena, P. (2014, April). *Comparing hierarchical linear models and randomization tests in the analysis of multiple baseline data.* Poster presented at the Annual Meeting of the American Educational Research Association. Philadelphia, PA.

Van den Noortgate, W., **Moeyaert, M.**, Ugille, M., Beretvas, S., & Ferron, J. (2014, March). *The synthesis of single-subject experimental data: Extensions of the basic multilevel model.* Paper presented at the Society for Research on Educational Effectiveness. Washington,DC.

Moeyaert, M., Ugille, M., Ferron, J., Beretvas, S., & Van Den Noortgate, W. (2013, May). *The misspecification of the covariance structures in multilevel models for single-case data: A Monte Carlo simulation study.* Paper presented at the Modern Modeling Methods Conference. Storrs, CT.

Moeyaert, M., Ugille, M., Ferron, J., Beretvas, S., & Van Den Noortgate, W. (2013, May). *Synthesizing single-subject studies: Empirical examination of a three-level analytic model.* Paper presented at the Campbell Collaboration Colloquium. *Chicago, IL.*

Moeyaert, M., Ugille, M., Ferron, J., Beretvas, S., & Van Den Noortgate, W. (2013, May). *Modeling external events in the three-level analysis of multiple-baseline across participants designs: A simulation study.* Poster presented at the American EducationalResearch Association. San Francisco, CA.

Ugille, M., **Moeyaert, M.**, & Van Den Noortgate, W. (2013, April). *Combining group-comparison and single-subject experimental designs.* Poster presented at the American Educational Research Association. San Francisco, CA.

Moeyaert, M. (2013, April). *Multilevel synthesis of single-case experimental data: Empirical validation of the basic three-level model.* Paper presented at the Texas University's Educational Statistics and Psychometrics Meeting. Austin, TX.

Moeyaert, M. (2013, April). *Modeling external events in the three-level analysis of multiple-baseline across participants designs: A simulation study.* Paper presented at the Texas University's Educational Statistics and Psychometrics Meeting. Austin, TX.

Ferron, J., Van Den Noortgate, W., Beretvas, S., **Moeyaert, M.**, Ugille, M., Petit-Bois, M., & Baek, E. (2013, March). *Synthesis of single-case experimental data: A comparison of alternative multilevel approaches.* Paper presented at the Society for Research on Educational Effectiveness. Washington, DC.

Ugille, M., **Moeyaert, M.**, Beretvas, S., Ferron, J., & Van Den Noortgate, W. (2012, August). *Multilevel meta-analysis of single-subject experimental designs.* Paper presented at the Measuring Behavior conference. Utrecht, The Netherlands.

Moeyaert, M., Ugille, M., Ferron, J., Beretvas, S., & Van Den Noortgate, W. (2012, August). *Multilevel synthesis of raw and standardized single-case experimental data: An empirical validation.* Paper presented at the International Conference on Computational Statistics. Limassol, Cyprus.

Moeyaert, M., Ugille, M., Ferron, J., Beretvas, S., & Van Den Noortgate, W. (2012, May). *Three-level analysis of raw single-case experimental data: Empirical validation.* Paperpresented at the Modern Modeling Methods Conference. Storrs, CT.

Van Den Noortgate, W., **Moeyaert**, M., Ugille, M., Beretvas, S., & Ferron, J. (2012, March). *Multilevel synthesis of single-case experimental data: An empirical validation*. Paper presented at the Society for Research on Educational Effectiveness. Washington, DC.

INVITED PRESENTATIONS (*N* = 15)

Moeyaert, M. (February, 2023)**.** *Meta-analysis of single-case experimental designs: An overview on current synthesis methods*. Campbell Organization Webinar series.

Moeyaert, M. (May, 2022)**.** *Multilevel Meta-Analysis of N-of-1 studies.* Colloquium. Department of Methods and Statistics, Utrecht University, The Netherlands.

Moeyaert, M. (September, 2022)**.** *Using multilevel modeling for meta-analyzing single-case design research*. Seminar Systematic Reviews and Meta-Analysis Methodology, The AERA SIG SRMA and MATI.

Moeyaert, M. (September, 2021). *Regression and multilevel modeling in STATA.* Workshop at the Department of Children, Youth & Families – Washington State.

Moeyaert, M. (May, 2021). *Methodological innovations for the design and analysis of SCEDs.* Oral presentation for the Behaviormetrica Society.

Moeyaert, M. (March, 2021). *Basic and intermediate statistical significance testing in STATA.* Workshop at the Department of Children, Youth & Families – Washington State.

Moeyaert, M. (March, 2021). *Introduction to SCED: Possibilities and limits of the design.* Oral presentation at the Department of Psychiatry – West in Slagelse, Denmark.

Moeyaert, M. (January, 2021*). Multilevel meta-analysis of single-case experimental data: Recent methodological developments and innovations*. Oral presentation at the Quantitative Seminar – McGill University.

Moeyaert, M. (January, 2021). *Introduction to SCED: Analysis techniques.* Oral presentation at the Department of Psychiatry – West in Slagelse, Denmark.

Moeyaert, M. (December, 2020). Common statistical methods used in the analysis of n-of-1 trials. Symposium on n-of-1 trials. https://www.n1app.org/n-of-1-trials-sced-symposium

Moeyaert, M. (2019, December). *Moderation and mediation analysis for single-case experimental designs.* Research Unit West - Psychiatric Hospital West, Slagelse, Denmark.

Moeyaert, M. (2017, May). *Bayesian estimation in the two-level modeling of single-case experimental data.* Promotion of Research Involving Innovative Statistical Methodology. New York University, NY.

Moeyaert, M. (2014, June). *The basics of multilevel modeling*. Two-day workshop. Leuven, Belgium.

Moeyaert, M. (2014, May). *Meta-analysis: Introduction and demo software application*. Two-day Systematic Review Workshop Quantitative and Qualitative Approaches to Synthesis. Utrecht, The Netherlands.

Moeyaert, M. (2014). Analysis and meta-analysis of single-case data. Delaware Universities' Educational Statistics Meeting. Newark, February 12, 2014.

OTHER PRESENTATIONS (*N* = 10)

Xue, Y., & **Moeyaert, M.** (2024, April). *Individual participant meta-analysis of single-case experimental designs data: A Comparison of Bayesian and retricted maximum likelihood.* UAlbany Showcase, Albany, NY.

Lan L., **Moeyaert, M.,** & Orlowski, E. (2024, April). *The effects of mind-body intervention on mental health outcomes for individuals with Autism Spectrum Disorder: A Meta-Analysis of randomized controlled trials.* UAlbany Showcase, Albany, NY.

Gathan, J., **Moeyaert,** M., Asaro-Saddler, K., Yu, C.. & Orlowski, E. (2024, April). *Self-management strategies and academic outcomes for autistic students: A multilevel meta-analysis of single case experimental designs.* UAlbany Showcase, Albany, NY.

Fingerhut, H., Xu, X., & **Moeyaert, M.** (2020). *Impact of within-case variability on Tau indices and the hierarchical linear modeling approach for multiple-baseline design data: A Monte Carlo simulation study.* Division of Educational Psychology & Methodology Annual Poster Session, Albany, NY.

Yang, P., Kim, E., & **Moeyaert, M.** (2020). *Characteristics of Moderators in Meta-Analyses of Single-Case Experimental Design Studies.* Division of Educational Psychology & Methodology Annual Poster Session.

Xu, X., & **Moeyaert, M.** (2020). Bootstrap Estimation Procedures in the Context of Two-Level Synthesis of Single-Case Experimental Data: A Simulation Study. Division of Educational Psychology & Methodology Annual Poster Session, Albany, NY.

Moeyaert, M. (2019). *MultiSCED – A tool for (meta)analyzing single-case experimental data*. Division of Educational Psychology & Methodology – Brown Bag Series, Albany, NY.

Gorgun, H. & **Moeyaert, M.** (2019). *Design comparable between-case effect sizes*. UAlbany School of Education Day, Albany, NY.

Moeyaert, M., Rodabaugh, R., & Akhmedjanova, D. (2017). Workshop: *Using multilevel modeling to meta-analyze single-case experimental design studies' results. Workshop at the* UAlbany School of Education Day, Albany, NY.

Moeyaert, M., Turan, M., Rodabaugh, R., Quinones, F., & Franklin, D. (2016). *Demonstration of multilevel meta-analysis: The effectiveness of peer tutoring on academic and social outcomes.* UAlbany School of Education Day, Albany, NY.

TEACHING

Graduate Courses Taught, University at Albany

EPSY 736	Systematic Review and Meta-Analysis (F23)	
EPSY 687	Institute: Meta-Analysis (F21)	
EPSY 732	Single-Case Research Design and Analysis (F18, F20, F22)	
EPSY 724	Regression Analysis (S18, S19, S20, S22, S24)	
EPSY 530	Statistical Methods I (F15, Su16, Su17, F17, F18, F19, F20, F22, S24)	
EPSY 630	Statistical Methods II (S16, F16, S17, F17, S18, S19, S22)	
EPSY 755	Selected Topics in Research Design (S16)	
EPSY 797	Educational Psychology Research Apprenticeship (S16, F16, S17, F17, S18, F18, S19, F19, F21, S22, F22, S23)	
EPSY 697	Independent Study in Educational Psychology (S16, S17, S18, F18, S19, S20, S22)	
EPSY 890	Research and Independent Study (F19, S20, F20, F21, S22)	
EPSY 899	Doctoral Dissertation (F20, S21, F21, S22, F22, F22, S23)	

Courses Taught at Other Institutions

Karolinska Institute, Sweden, Single Case Design (SCD) in Clinical Research and Data Driven Decision Processes for Individualized Health Care (Oct 1, 2024 – Oct 13, 2024)

University of Michigan; Inter-university Consortium for Political and Social Research (ICPSR) Summer Program in Quantitative Methods of Social Research. Usage and Application of Meta-Analysis Techniques (SU20, SU21, SU22, SU23, SU24)

Columbia University, Teacher's College. Guest lecture. Design and Analysis of Single-Case Experimental Designs (S22, S23)

Workshops

Regression analysis, Regression discontinuity, Hierarchical Linear Modeling, Survival Analysis, Advanced data analysis using R, Meta-Analysis, Data analysis using SAS, Propensity score analysis, Single-case experimental design and analysis.

Webinars

Single-Case Experimental Design and Analysis, University of Leiden, The Netherlands, 2020.
Design Comparable Effect Size Estimator, Institute of Educational Sciences.

https://www.youtube.com/watch?v=uXTbL8QkNvY
MultiSCED Shiny Application, University of Groningen, 2019

Doctoral Dissertation Committees (*N = 25*)

Lou, Y. (proposal in progress) Performance of Artificial Intelligence in the Preparation of Single Case Design Meta-analysis: a Monte Carlo simulation study. **Chair.**

Guy M Ladouceur (proposal in progress). Does a therapy process coding system increase trainee process acuity when working with clients in therapy? **Member**.

Shawna Belanger (proposal in progress). *A meta-analysis of the first step to success/first step next intervention: A PBIS Tier 2 Intervention for Pre-K – 3rd grade students*. **Member**.

Emily Satin (proposal approved). Single-case study measuring attentional outcomes from a structured mindfulness curriculum. **Member**.

Yukang Xue (proposal approved). Multilevel meta-analysis of single-case experimental data using Bayesian estimatin techniques. **Chair**.

Edmund Orlowski (proposal approved). *Practice Makes Better?: Examining The Functional Relations Between Deliberate Practice for Inner Skills and Therapist In-Session Mindfulness and Presence*. **Member**.

Samantha Bordoff (proposal approved*). Social Stories presented on the iPad to improve the classroom behavior of children with Autism Spectrum Disorders.* Educational Psychology & Methodology. **Member**.

Elie ChingYen Yu (proposal approved). Meta-Analysis: Effects of Formative Assessment on Students' Regulation of Learning. **Member**.

Tom Robertson (proposal approved). *Missing data methods for longitudinal and multilevel data*. Educational Psychology & Methodology. **Co-Chair**.

Julie M. Orlando (2024). *The Effects on Children and Parents of EducatingParents About Ways to Play With Babies*. **Member**.

Lawrence Peterson (2023*). Using single case design to assess the effect of anAcceptance and Commitment Therapy Workshop on general distress in attorneys.* Counseling Psychology. **Co-Chair**.

Maria Haji-Georgi (2023*). Mindfulness Intervention to reduce burnout amongstteachers in Special Education.* **Member**.

Quan Chen (2023). *Multivariate meta-analysis of the effectiveness of mobile learningon academic performance.* Educational Psychology & Methodology. **Member**.

Xinyun Xu (2022*).* Sampling Distribution of Non-overlap Indices Using Bootstrapping Procedure: Monte Carlo Simulation Studies and Empirical Demonstration. Educational Psychology & Methodology. **Chair.**

Lexy Payne (2022*). Analyzing simulated class-wide math intervention data to evaluate the reliability and accuracy of making intervention decisions at the class-widelevel.* **Member**.

Elizabeth Ann S. Kelly (2022*). Trends in International Mathematics and ScienceStudy using Hierarchical Linear Modeling: Variation in Demographic Prediction of Girls' Math Achievement.* Educational Psychology & Methodology. **Chair.**

Arianna Doss (2021*). Investigating growth slopes in math CBM using AIMSweb group-administered math probes in the school's second and third grade classrooms*. School Psychology. **Member.**

Lynsay Paiko (2021). *Investigating Constructs of White guilt and White shame as mediators for relationship between awareness of oppression/privilege and anti-racism in White counseling students.* Counseling Psychology. **Member.**

Halley Eacker (2021). *Addressing the development of reading comprehension in students with ASD: A meta-analysis.* Educational Psychology & Methodology. **Member.**

Joelle Fingerhut (2021). *Developing and Testing an Excel Tool to Help Users Select and Justify Quantification Techniques Used for Single-Case Experimental Design Studies..* Educational Psychology & Methodology. **Chair**.

Sijun Zhang (2020*). Reliability of individual items in a scale: Simulation study*. Educational Psychology & Methodology. **Member.**

Diana Akhmedjanova (2020). *The effectiveness of writing interventions for second language learners: A single-case experimental design analysis.* Educational Psychology & Methodology. **Member**.

Laleh Jamshidi (2019). *Pennies make pounds: Multilevel meta-analysis of single-case experimental data.* Psychology and Educational Sciences, KU Leuven. **Co-chair.**

Haiyang Su (2019). *A new lens on academic intrinsic motivation.* Educational Psychology & Methodology. **Member**.

Marianne Stone (2017). *Effects of brief mindfulness practice on perceptions of therapist empathy, self-awareness, and the real relationship*. Counseling Psychology. **Member**.

Master's Thesis (*N* = 1)

Merve Turan (2017). *Multilevel synthesis of peer-tutoring interventions investigating the effect on social and academic outcomes*. Educational Psychology & Methodology. **Chair**.

SERVICE

Department of Educational and Counseling Psychology

Chair, pre-dissertation committee, 2024-present
Chair, SMART (Stats Methods and Research Track) committee, 2023-present
Member, Tenure and Promotion Committee - Erin Baker, 2022-2023
Member, Tenure and Promotion Committee – Tianlin Wang, 2022-present
Member, Re-appointment Committee - Tammy Ellis-Robinson, 2020
Member, Doctoral program and Admission Committee, 2020-Present
Chair, Research Committee Division of Educational Psychology and Methodology,
    September 2019 – present
Chair, Doctoral Comprehensive Examination Committee, July 2018 – present
Member, Academic Standards Committee
Member, Master's Admission Committee, 2015-2020
Member, Advanced Quantitative Methods Certificate Committee
Member, Search Committee for assistant professor of Special Education, 2016 – 2017 and
    2017-2018
Member, Search Committee for assistant professor of division Educational Psychology
    and Methodology, 2023 – 2024
Member, Doctoral Comprehensive Examination Committee, 2015 – 2018
Chair, Master's Admission Committee, July 2016 – December 2017

School of Education

Member, Faculty Council, School of Education, Spring 2018
Member, Academic Council, Fall 2023 – current
Member, Curriculum Committee, Spring 2017 – current

University at Albany

Member, Graduate Committee on Curriculum and Instruction**,** Fall 2023 - current
Member, Graduate Academic Council (GAC), Fall 2023 - current
Member, Council on Research, Spring 2018
Member, University Senate, Spring 2018

Professional Service

Mentor Grant, NRSA Fellowship - NIH Ruth L. Kirschstein National Research Service Award Fellowship (F31), 2024-2025
    Title grant: Examining the impact of depression on mother-infant physiological synchrony and infant regulatory outcomes in Black families
    PI: Annabelle Armah

Mentor Grant, NRSA Fellowship, 2021-2022
> **Title grant:** Time lag as a moderator of parental control effects on child anxiety outcomes.
> **PI:** Tristin Nyman

Mentor Grant, NRSA Fellowship, 2021-2023
> **Title grant:** Examining the active ingredients of consultation to improve implementation of a parent-mediated intervention for children with autism in the community mental health system.
> **PI:** Diondra Straiton

Advisory Committee Grant Institute of Education Sciences, 2021-2023
> **Title grant:** A Meta-Analysis of Interventions Aimed at Improving Mathematical Problem Solving: Project iMAPS
> **PI:** Corey Peltier

Review Panel, *Institute of Education Sciences*, 2020 - present

Editorial Board [Associate Editor]*, Behavior Modification*, 2024 – present

Editorial Board [Methodological Consulting Editor]*, Journal of Experimental Education*, 2018 – present

Editorial Board [Methodological Consulting Editor]*, Psychological Methods*, 2020 – present

Guest Editor, *Evaluation & The Health Professions, 2020*
Special Issue "Single Subject Causal Mediation Analysis"

Ad Hoc Reviewer, *Journal of Educational and Behavioral Statistics,* 2022 – present
Ad Hoc Reviewer, *Educational Psychology Review,* 2021 – present
Ad Hoc Reviewer, *Perspectives on Behavior Science,* 2021 – present
Ad Hoc Reviewer, *Human Behavior and Emergent Technologies,* 2020 – present
Ad Hoc Reviewer, *Journal of Research on Educational Effectiveness,* 2020 – present
Ad Hoc Reviewer, *Statistics in Medicine*, 2020 - present
Ad Hoc Reviewer, *Journal of Modern Applied Statistical Methods,* 2019 – present
Ad Hoc Reviewer, *Behavior Disorders,* 2019 – present
Ad Hoc Reviewer, *Developmental Neurorehabilitation,* 2019 – present
Ad Hoc Reviewer, *Behavior Therapy,* 2019 - present
Ad Hoc Reviewer, *British Journal of Mathematical and Statistical Psychology,* 2019 - present
Ad Hoc Reviewer, *Remedial and Special Education,* 2019 - present
Ad Hoc Reviewer, *Healthcare*, 2019 - present
Ad Hoc Reviewer, *Methodology,* 2018 present
Ad Hoc Reviewer, *Research Synthesis Methods,* 2017 - present
Ad Hoc Reviewer, *Journal of Experimental Education,* 2017 - present
Ad Hoc Reviewer, *Journal of Evidence-Based Communication Assessment and Intervention,* 2017 - present
Ad Hoc Reviewer, *Journal of Educational and Behavioral Statistics*, 2017 – present
Ad Hoc Reviewer, *Plos one*, 2017 – present
Ad Hoc Reviewer, *Journal of Behavioral Education*, 2016 – present

Ad Hoc Reviewer, *Psychological Methods,* 2015 – present
Ad Hoc Reviewer, *Multivariate Behavior Research,* 2015 – present
Ad Hoc Reviewer, *Journal of Autism and Developmental disorders,* 2015 – present
Ad Hoc Reviewer, *Journal of School Psychology,* 2015 – present
Ad Hoc Reviewer, *Journal of Contextual Behavioral Science,* 2015 – present
Ad Hoc Reviewer, *BMC Medical Research Methodology*, 2015 – present
Ad Hoc Reviewer, *Behavior Analysis: Research and Practice*, 2015 – present
Ad Hoc Reviewer, *Behavior Modification,* 2014 – present
Ad Hoc Reviewer, *Behavior Research Methods,* 2013 – present
Chair, symposium (Advanced Statistical Methods for Complex Data), Annual Meeting of the American Educational Research Association conference, 2021

Chair, symposium (Advances in Multilevel Modeling for Causal Inferences), Annual Meeting of the American Educational Research Association conference, 2021
Chair, symposium (Item Response Theory with Complex Data), Annual Meeting of the American Educational Research Association conference, 2021
Chair, symposium (Fancy Structural Equation Modeling and Hierarchical Linear Modeling), Annual Meeting of the American Educational Research Association conference, 2021
Chair, structured poster session (analysis and meta-analysis of SCEDs), Annual Meeting of the American Educational Research Association conference, 2013, 2019, 2021, 2022
Chair, symposium (Multilevel models, multiple imputation, and latent models), Annual Meeting of the American Educational Research Association conference, 2019
Chair, symposium, Northeastern Research Association conference, 2017, 2018
Abstract Reviewer, Annual Meeting of the American Educational Research Association, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
Abstract Reviewer, Northeastern Research Association conference, 2017, 2018, 2019
Reviewer, systematic review and meta-analysis SIG award, 2017 – present

PROFESSIONAL AFFILIATIONS

Member of American Educational Research Association
    Division D
    Meta-Analysis Special Interest Group
    Multilevel Modeling Special Interest Group
Member of American Psychological Association (Division 5)
Member of Northeastern Educational Research Association
Member of New England Statistical Society (NESS)
Member of International Collaborative Network for N-of-1 Clinical Trials
Research Fellow at KU Leuven – Belgium
Research Fellow Graduate Center – City University of New York, New York