

## D. Betsy McCoach, Ph.D.

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Professor, Research Methods, Measurement, and Evaluation program

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### Education

- 2003 Ph.D. in Educational Psychology, University of Connecticut, Storrs, CT  
Advisory Committee: Sally M. Reis (Gifted Education, major advisor), David A. Kenny (Psychology), Ann O'Connell (Measurement and Evaluation), Thomas J. Kehle (School Psychology)
- 2002 Sixth year certificate in School Psychology, University of Connecticut, Storrs, CT
- 2001 M. A. in Educational Psychology with a concentration in School Psychology, University of Connecticut
- 1993 M. A. in Secondary Education, Lehigh University, Bethlehem, PA
- 1991 B. A., cum laude, in Economics and French, University of Delaware, Newark, DE

### Professional Experience

- August 2014- *Professor*, Educational Psychology Department, University of Connecticut. Responsibilities include teaching graduate level courses in latent variable modeling, quantitative research methods, measurement, and instrument design.
- 2008-2014 *Associate Professor*, Educational Psychology Department, University of Connecticut. Responsibilities include teaching graduate level courses in educational statistics, modeling, research methods, and instrument design.
- 2003-2008 *Assistant Professor*, Educational Psychology Department, University of Connecticut. Responsibilities include teaching graduate level courses in educational statistics, research methods, and instrument design.
- 2010-2020 *Director*, Data Analysis and Training Institute at Connecticut (DATIC).

### Awards

- 2019 Neag School of Education Alumni Award, Outstanding Higher Education Professional
- 2018 Dr. Perry A. Zirkel Distinguished Teaching Award, Neag School of Education
- 2017 Outstanding Service Award, Structural Equation Modeling SIG, AERA
- 2016 Neag School of Education Distinguished Researcher Award
- 2014 Elected a Fellow of the *American Psychological Association, Division 5*
- 2013 *Gifted Child Quarterly* Paper of the Year (2012), National Association for Gifted Children, for Adelson, J. L., McCoach, D. B., & Gavin, M. K. (2012). Examining the effects of gifted programming in mathematics and reading using the ECLS-K.
- 2007 Early Scholar, *National Association for Gifted Children*
- 2007 Outstanding Reviewer for 2006 volume of *American Educational Research*

- Journal: Section on Teaching and Learning*
- 2006 *Young Alumni Investigator Award*, University of Connecticut
- 2004 *Hollingworth Award*, National Association of Gifted Children, with Carol Tieso
- 2004 *Harris Kahn Dissertation Award*, University of Connecticut
- 2003 National Association of Gifted Children (NAGC) Graduate Student Award
- 2002 Mensa Education and Research Foundation Award for Excellence in Research, 2001-2002 for McCoach, D. B. & Siegle, D. *Factors that differentiate gifted achievers from gifted underachievers.*
- 2002 Honorable Mention, Research Briefs Award from the Research and Evaluation division of NAGC for McCoach, D. B., O'Connell, A. A., Levitt, H. & Reis, S. M. *A multilevel analysis of the effects of ability grouping in kindergarten reading using base year data from the ECLS-K.*
- 2002 Distinguished Paper Award, Southwestern Educational Research Association, *The differential impact of pre-college and self-regulatory factors on academic achievement of university students with and without learning disabilities.* Ruban, L. M., McCoach, D. B., & Nora, A.

### Scholarships and Fellowships

- 2001-2002 Spencer Doctoral (Pre-dissertation) Fellowship, American Educational Research Association and Spencer Foundation
- 1998- 2002 Outstanding Scholar, University of Connecticut
- 1987-1991 Eugene Du Pont Distinguished Scholar, University of Delaware
- 1987 National Merit Scholar

### Funded Grants

*PI or co-PI on \$30 million of federal grants awarded in the last 10 years.*

- 2020-2025 Co-Principal Investigator, National Center for Research on Gifted Education. Funding Source: Institute for Education Sciences, U. S. Department of Education. (\$5 million). (PI- Del Siegle.)
- 2019-2024 Co-Principal Investigator, Project Bump Up. Department of Education (PR/Award#S206A190028). \$2.5 Million (PI: Siegle)
- 2019-2024 Co-Principal Investigator, Evaluating the Impact of Integrated Behavior and Reading Multi-Tiered Systems of Support in Elementary Schools (R324A190012). Funding Source: Institute for Education Sciences (\$3,999,589). PI: Michael Coyne.
- 2017-2022 Co-Principal Investigator, *Science of learning, from neurobiology to real-world application: a problem-based approach.* Funding Source: NSF (\$3 million) PI: James Magnuson.
- 2017-2019 Co-Principal Investigator, *Factors Affecting Comprehension by Teens During Online Reading in Science: The FACTORS Project.* Funding Source: IES (\$600,000). PI: Don Leu.
- 2014-2020 Co-Principal Investigator, National Center for Research on Gifted Education. (CFDA Number 84.305C). (\$5.7 million). PI- Del Siegle.
- 2014-2018 Co-Principal Investigator, *Project Exploring the Status and Impact of School-Based Behavior Screening Practices in a National Sample: Implications for Systems, Policy, and Research.* Funding Source: IES (\$1.6 million), PI- Sandra Chafouleas
- 2012-2015 Principal Investigator, *Project PAPER: Preparing Academicians in Psychometrics*

- and Educational Research*. U. S. Department of Education. (\$399,000).
- 2011-2016 Co-Principal Investigator, *School Structure and Science Success: Organization and Leadership Influences on Student Success*, funded by the National Science Foundation, (\$2,700,000). PI- John Settlage.
- 2011-2016 Co-Principal Investigator, *Project EVI: Early Vocabulary Intervention*. U. S. Department of Education, Institute of Education Sciences, Reading & Writing Research – Special Education Research (Goal 3 – Efficacy). \$4,097,835. PI: Mike Coyne.
- 2006-2013 Co-Principal Investigator, *National Research Center on the Gifted and Talented Center*, 25% of academic year salary.
- 2009-2012 Methodologist, *The Schoolwide Enrichment Reading Study- Middle School*. U. S. Department of Education IES Javits Grant awarded to Dr. Sally Reis (PI), University of Connecticut.
- 2007-2011 Methodologist, *Content Based Vocabulary Instruction: Using Cognates to Promote the Vocabulary Development and Reading Comprehension of Native Spanish Speaking Adolescents*. U.S. Dept of Education IES grant awarded to Center for Applied Linguistics and Liz Howard, University of Connecticut.
- 2006 Co-Principal Investigator, University of Connecticut, Large Faculty Research Grant, \$15,000. *Structure and Function of Collective Self-Efficacy*. With Robert Colbert.
- 2006-2010 Co-Principal Investigator, *Project IVI: Intensifying Vocabulary Intervention for Kindergarten Students at Risk of Learning Disabilities*. U. S. Department of Education, Institute of Education Sciences, Language and Vocabulary Development – Special Education Research (Goal 2 – Development). \$884,306. (PI: Mike Coyne).
- 2006-2008 Methodologist, *The Schoolwide Enrichment Reading Study*. U. S. Department of Education IES Javits Grant awarded to Dr. Sally Reis (PI), University of Connecticut.
- 2003-2006 Co-Principal Investigator, *Project VITAL: Vocabulary Intervention Targeting At-risk Learners*. (2003-2006). U. S. Department of Education, Institute of Education Sciences, Reading Comprehension Research (Goal 2 – Development). \$685,623. (PI: Mike Coyne).
- 2005 Principal Investigator, University of Connecticut, Small Faculty Research Grant, \$1,000. Factor Analysis of Sternberg’s *Thinking Style Inventory*. With Anne Black.
- 2002-2003 *AERA Dissertation Research Grant*, \$15,000.

#### **Funded Contracts**

- 2007 *Principal Investigator*, Subcontract. AERA Research Grant awarded to Jeff Anderson, Indiana University. \$5,000 Contract.
- 2005-2007 *Co-Principal Investigator*. Evaluation of Idaho Mentoring Program, State Department of Idaho. \$10,000 Contract.
- 2005 *Senior Data Analyst*, Connecticut Achievement Study. Sally Reis and Peter Behuniak (PI), Contract awarded by the Connecticut State Department of Education to the University of Connecticut. (25% of summer salary).
- 2004-2006 *Co-Principal Investigator*. External Evaluation of Project Opening Doors Grant, State Department of Connecticut and EASTCONN. \$90,000 Contract. (10% of academic year salary).

### Published Books

- McCoach, D. B.** & Cintron, D. W.\* (2022). *Introduction to Modern Modeling Methods*. SAGE. (Volume 9 of the Quantitative Toolkit Series).
- O'Connell, A. A., **McCoach, D. B.**, & Bell, B. A. (2022). *Multilevel Modeling Methods with Introductory and Advanced Applications*. Information Age Press.
- McCoach, D. B.**, Gable, R. K., & Madura, J. (2013). *Instrument design in the affective domain. (Third Edition)*. New York: Springer.
- Peters, S., McBee, M., Matthews, M., & **McCoach, D. B.** (2013). *Beyond gifted education: Designing and implementing advanced academic programs*. Waco, TX: Prufrock Press.
- O'Connell, A.A. & **McCoach, D.B.** (2008). *Multilevel modeling of educational data*. (Eds.) Charlotte, NC: Information Age Publishing.
- Siegle, D., & **McCoach, D. B.** (2004). *Motivating gifted students*. Waco, TX: Prufrock Press.

### Peer Reviewed Journal Articles (n>100)

- Baker, D., Coyne, M., **McCoach, D. B.**, Ware, S., & Rattan, S. (in press). Effects of Spanish Vocabulary Knowledge on the English Word Knowledge and Listening Comprehension of Bilingual Students. *International Journal of Bilingual Education and Bilingualism*.
- Bellara, A. P. & **McCoach, D. B.** (in press). Lean on me: Teaching together from a distance. *New Horizons in Adult Education and Human Resource Development*.
- Brandon, L., Reis, S. M., & **McCoach, D. B.** (in press). Jack Kent Cook Scholars program. *International Journal of Giftedness, Creativity, and Talent Development*.
- Coyne, M. D., **McCoach, D. B.**, Ware, S., Loftus-Rattan, S., Baker, D., Santoro, L., & Oldham, A. (in press). Supporting vocabulary development within a multi-tiered system of support: Evaluating the efficacy of supplementary kindergarten vocabulary intervention. *Journal of Educational Psychology*.
- Dineen, J., Chafouleas, S., Briesch, A. M., **McCoach, D. B.**, Newton, S. D., & Cintron, D. W. (online first). Exploring Approaches to Identifying and Supporting Students' Social, Emotional, and Behavioral Needs in U.S. Public School Districts. *American Educational Research Journal*. <https://doi.org/10.3102/00028312211000043>
- McCoach, D. B.** (in press). Achieving Equity Within Public Education. *Gifted Child Quarterly*.
- McCoach, D. B.**, Perez, J.,\* & Reyna, K.\* (in press). Methodologists: You need us more than we need you! Special issue of *Research in the Schools* entitled *Methodologists: Who Needs 'Em?*
- Briesch, A. M., Chafouleas, S. M., Dineen, J. N., **McCoach, D. B.**, & Donaldson, A. (2021). Reported screening practices across academic, behavioral, and physical health domains. *Journal of Positive Behavior Interventions*. DOI: 10.1177/10983007211003335
- Forzani, E., Leu, D., Li, E.\*, Rhoads, C., Guthrie, J., & **McCoach, D. B.** (2021). Characteristics and Validity of an Instrument for Assessing Motivations for Online Reading to Learn. *Reading Research Quarterly*, 56(4), 761-780. <https://doi.org/10.1002/rrq.337>
- Greene, C.A., **McCoach, D.B.**, Briggs-Gowan, M.J., & Grasso, D.J. (2021). Associations among childhood threat and deprivation experiences, emotion dysregulation, and mental health in pregnant women. *Psychological Trauma: Theory, Research, Practice, and Policy*.
- Gubbins, E. J., Siegle, D., Cross, K., **McCoach, D. B.**, Dulong Langley, S., Callahan, C., Brodersen, A., & Caughey, M. (2021). Identifying and Serving Gifted and Talented Students: Are Identification and Services Connected? *Gifted Child Quarterly*, 65(2), 115-131.

- LaSalle, T. & **McCoach, D. B.**, & Meyers, J. (2021). Examining Measurement Invariance and Perceptions of School Climate Across Gender and Race and Ethnicity. *Journal of Psychoeducational Assessment*, 39 (7), 800-815. DOI: 10.1177/073428292111023717
- Neugebauer, S. R., Coyne, M.D., **McCoach, D. B.**, & Ware, S. (2021). Reframing adherence: Active ingredients and impromptu interactions that support vocabulary implementation effectiveness. *Early Childhood Research Quarterly*, 56(3), 52-64. <https://doi.org/10.1016/j.ecresq.2021.02.004>
- Briesch, A. M., Chafouleas, S. M., Cintron, D.\*, & **McCoach, D. B.** (2020). Factorial invariance of the Usage Rating Profile for Supporting Students' Behavioral Needs (URP-NEEDS). *School Psychology*, 35(1), 51–60. <https://doi.org/10.1037/spq0000309>
- Briesch, A. M., Cintron, D. W.\*, Dineen, J. N., Chafouleas, S. M., **McCoach, D. B.**, & Auerbach, E. (2020). Comparing stakeholders' knowledge and beliefs about identifying and supporting students' social, emotional, and behavioral health in schools. *School Mental Health*. <http://dx.doi.org/10.1007/s12310-019-09355-9>
- Gubbins, E. J., Siegle, D., Peters, P. M., Carpenter, A. Y., Hamilton, R., **McCoach, D. B.**, Puryear, J. S., Langley, S. D., & Long, D. A. (2020). Promising practices for improving identification of English learners for gifted and talented programs. *Journal for the Education of the Gifted*, 43 (4), 336-369.
- Hamilton, R., Long, D., **McCoach, D. B.**, Hemmler, V., Siegle, D., Newton, S. D., Gubbins, E., & Callahan, C. (2020). Proficiency and giftedness: The role of language comprehension in gifted identification and achievement. *Journal for the Education of the Gifted*, 43 (4), 370-404.
- McCoach, D. B.**, Siegle, D., & Rubenstein, L. (2020). Pay attention to inattention: Exploring ADHD symptoms in a sample of underachieving gifted students. *Gifted Child Quarterly*, 64(2) 100–116. <https://doi.org/10.1177/0016986219901320>
- Mun, R. U., Hemmler, V., Langley, S. D., Ware, S., Gubbins, E. J., Callahan, C. M., **McCoach, D. B.**, & Siegle, D. (2020). Identifying and serving English learners in gifted education: Looking back and moving forward. *Journal for the Education of the Gifted*, 43 (4), 297-335.
- Neugebauer, S., Sandilos, L., Coyne, M., **McCoach, D. B.**, & Ware, S. (2020). Highly Potent and Vastly Conditional Instructional Practices: Variations in Use and Utility of Language Interactions for Kindergarten. *Early Education and Development*. Online First: <https://doi.org/10.1080/10409289.2019.1686928>
- Siegle, D., Rubenstein, L. & **McCoach, D. B.** (2020). Do You Know What I'm Thinking? A Comparison of Teacher and Parent Perspectives of Underachieving Gifted Students' Attitudes. *Psychology in the Schools*. <https://doi.org/10.1002/pits.22345>
- Coyne, M. D., **McCoach, D. B.**, Ware, S., Austin, C. R., Loftus-Rattan, S. M., & Baker, D. L., (2019). Racing Against the Vocabulary Gap: Matthew Effects in Early Vocabulary Instruction and Intervention. *Exceptional Children*, 85, 163-179.
- Kookan, J\*., **McCoach, D. B.**, & Chafouleas, S. M. (2019). The Impact and Interpretation of Residual Non-invariance in Growth Mixture Modeling. *Journal of Experimental Education*, 87(2), 214-237. <https://doi.org/10.1080/10705511.2017.1374187>
- Hamilton, R., **McCoach, D. B.**, Tutwiler, M. S., Siegle, D., Callahan, C., Gubbins, E. J., & Broderson, A. (2018). Disentangling the roles of institutional and individual poverty in the identification of gifted students. *Gifted Child Quarterly*, 62, 6-24. <http://journals.sagepub.com/doi/pdf/10.1177/0016986217738053>
- LaSalle, T., George, H. P., **McCoach, D. B.**, Polk, T., & Evanovich, L. L. (2018). An examination of school climate, victimization, and mental health problems among middle school students self-identifying with emotional and behavioral disorders. *Behavior Disorders*, 43, 383-392.
- McCoach, D. B.**, Rifenbark, G.\*, Newton, S. D.\*, Li, X.\*, Kookan, J.\*, Yomtov, D.\*, Gambino, A.\*, & Bellara, A. (2018). Does the package matter? A Comparison of Five Common Multilevel

- Modeling Software Packages. *Journal of Educational and Behavioral Statistics*, 43, 594-627.
- Miller, F., Johnson, A. H., Yu\*, H. H., Chafouleas, S. M., **McCoach, D. B.**, Riley-Tillman, T. C., Fabiano, G. A., & Welsh, M. E. (2018). Methods Matter: A Multitrait-Multimethod Analysis of Student Behavior. *Journal of School Psychology*.  
<https://authors.elsevier.com/c/1WYWo56ZN7p8l>
- Yu, H. H.\*, **McCoach, D. B.**, Gottfried, A. W., & Gottfried, A. E. (2018). Stability of Intelligence from Infancy through Adolescence: An Autoregressive Latent Variable Model. *Intelligence*, 69, 8-15.
- Adelson, J., **McCoach, D. B.**, Rogers, H. J., Adelson, J. & Sauer, T. (2017). Developing and Applying the Propensity Score to Make Causal Inferences: Variable Selection and Stratification. *Frontiers in Quantitative Psychology and Measurement*. DOI: 10.3389/fpsyg.2017.01413  
<https://www.frontiersin.org/articles/10.3389/fpsyg.2017.01413/full>
- Flake, J.\* & **McCoach, D. B.** (2017). An Investigation of the Alignment Method with polytomous indicators under conditions of partial measurement invariance. *Structural Equation Modeling*. Online First: <http://dx.doi.org/10.1080/10705511.2017.1374187>
- Gamez, P., Neugebauer, S., Coyne, M., **McCoach, D. B.**, & Ware, S. (2017). Linguistic and social cues for vocabulary learning in Dual Language Learners and their English-only peers. *Early Childhood Research Quarterly*, 40, 25-37.
- Kooken, J., Welsh, M., **McCoach, D. B.**, Miller, F., Chafouleas, S., Riley-Tillman, T., & Fabiano, G. (2017). Test Order in Teacher-Rated Assessments: Is Counterbalancing Necessary? *Psychological Assessment*, 29, 98-109. doi:10.1037/pas0000314
- McCoach, D. B.**, Yu, H. H., Gottfried, A. W., Gottfried, A. E. (2017). Developing Talents: A Longitudinal Examination of Intellectual Ability and Academic Achievement. *High Ability Studies*. <http://dx.doi.org/10.1080/13598139.2017.1298996>
- Neugebauer, S. R., Coyne, M. D., **McCoach, D. B.**, & Ware, S. (2017). Teaching Beyond the Intervention: The Contribution of Teacher Language Extensions to Vocabulary Learning in Urban Kindergarten Classrooms. *Reading and Writing*. DOI 10.1007/s11145-016-9689-x
- Neugebauer, S., R., Gamez, P. Coyne, M., **McCoach, D. B.**, Ware, S. & Colon, I. (2017). Promoting Word Consciousness to Close the Vocabulary Gap in Young Word Learners. *Elementary School Journal*. <https://doi.org/10.1086/692986>
- Siegle, D., **McCoach, D. B.**, & Roberts, A. (2017). Why I believe I achieve determines whether I achieve. *High Ability Studies*, 28, 59-72, <https://doi.org/10.1080/13598139.2017.1302873> .
- Goldstein, J., **McCoach, D. B.**, & Yu, H. (2016). The Predictive Validity of Kindergarten Readiness Judgments: Lessons from One State. *Journal of Educational Research*.  
<http://dx.doi.org/10.1080/00220671.2015.1039111> (published online July 28, 2016)
- McCoach, D. B.**, Newton, S. D., Siegle, D., Baslanti, U, & Picho, K. (2016). Is Having Low Motivation the Same as Not Having High Motivation? Comparing the CSAS-R and the SAAS-R. *High Ability Studies*. DOI: 10.1080/13598139.2015.1103209
- Siegle, D., Gubbins, E. J., O'Rourke, P., Langley, S. D., Chung, R., Luria, S. R., Little, C. A., **McCoach, D. B.**, Knupp, T., Callahan, C. M., & Plucker, J. A. (2016). Barriers to underserved students' participation in gifted programs and possible solutions. *Journal for the Education of the Gifted*, 39, 103-131. doi: 10.1177/0162353216640930
- \*Kooken, J., Welsh, M. E., **McCoach, D. B.**, Johnsyon-Wilder, S. & Lee, C. (2016). Development and Validation of the Mathematical Resilience Scale. *Measurement and Evaluation in Counseling and Development*. 49, 217-242. doi:10.1177/0748175615596782
- Neugebauer, S.R., Chafouleas, S., Coyne, M. D., **McCoach, D. B.**, & Briesch, A. (2016). Exploring an Ecological Model of Perceived Usability within a Multi-Tiered Vocabulary Intervention. *Assessment for Effective Intervention*, 41, 155-171.

- <http://dx.doi.org/10.1177/1534508415619732>
- Smetana, L., Wenner, J.A., Settlage, J., & **McCoach, D. B.** (2016). Clarifying and Capturing ‘Trust’ in Relation to Science Education: Dimensions of Trustworthiness and Associations with Equitable Student Achievement. *Science Education*. DOI 10.1002/sce.21195
- Welsh, M. E., Miller, F. G., Kooken, J. W., Chafouleas, S. M., & **McCoach, D. B.** (2016). The kindergarten transition: Behavioral trajectories in the first formal year of school. *Journal of Research in Childhood Education*, 30, 456-473.
- \*Wilson, J., Olinghouse, N., **McCoach, D. B.**, Santangelo, T. & Andrada, G. (2016). Comparing the Accuracy of Different Scoring Methods for Identifying Sixth Graders at Risk of Failing a State Writing Assessment. *Assessing Writing*, 27, 11-23.
- Anderson, J. A., Howland, A., & **McCoach, D. B.** (2015). Parental characteristics and resiliency in identification rates for special education. *Preventing School Failure*, 59, 63-72, DOI: 10.1080/1045988X.2013.837811.
- Baker, D., Dantoro, L., Ware, S., Cuellar, D., Oldham, A., Cuticelli, M., Coyne, M., Loftus-Rattan, S., & **McCoach, D. B.** (2015). Understanding and implementing the common core vocabulary standards in kindergarten. *Teaching Exceptional Children*, 47, 264-271.  
doi:10.1177/0040059915580028
- \*Flake, J. K., Barron, K. E., Hulleman, C. S., **McCoach, D. B.**, & Welsh, M. E. (2015). Measuring Cost: The Forgotten Component of the Expectancy-Value Model. *Contemporary Educational Psychology*, 41, 232-244.
- \*Freeman, J., Simonsen, B., **McCoach, D. B.**, Lombardi, A., Sugai, G., & Horner, R. (2015) Relationship between School-wide Positive Behavior Interventions and Supports and Academic, Attendance, and Behavior Outcomes in High Schools. *Journal of Positive Behavior Interventions*. DOI: 10.1177/1098300715580992
- \*Freeman, J., Simonsen, B., **McCoach, D. B.**, Lombardi, A., Sugai, G., & Horner, R. (2015). An Analysis of the Relationship Between Implementation of School-wide Positive Behavior Interventions and Supports and High School Attendance and Dropout Rates. *The High School Journal*.
- Settlage, J., Butler, M., Wenner, J.A., Smetana, L., & **McCoach, D. B.** (2015). Examining elementary school science achievement using organizational and leadership perspectives: A fresh tactic for attacking achievement gap disparities. *School Science and Mathematics*, 115, 381-391.
- Little, C. A., **McCoach, D. B.**, & Reis, S. M. (2014). Effects of Differentiated Reading Instruction on Student Achievement in Middle School. *Journal of Advanced Academics*, 25, 384-402.  
doi:10.1177/1932202X14549250
- McCoach, D. B.** & Kenny, D. A. (2014). A Few Thoughts on the Similarities and the Differences Between Causal or Reflective Indicators of Latent Variables. *Measurement: Interdisciplinary Perspectives*, 12, 151-154.
- Kenny, D. A., \*Kaniskan, B., & **McCoach, D. B.** (2014). How small is too small? The performance of RMSEA in models with small df. *Sociological Research Methods*.
- McCoach, D. B.**, Gubbins, E. J., Foreman, J., Rubenstein, L., & Rambo, K., (2014). Evaluating the Efficacy of Using Pre-differentiated and Enriched Mathematics Curricula for Grade 3 Students. *Gifted Child Quarterly*.
- \*Rambo, K. & **McCoach, D. B.** (2014). Using summer growth patterns to assess the impact of schools on high achieving and gifted students’ reading skills. *Journal of Educational Research*. DOI: 10.1080/00220671.2013.850398
- Siegle, D., **McCoach, D. B.**, & Shea, K. (2014). Application of the Achievement Orientation Model to the job satisfaction of teachers of the gifted. *Roeper Review*.
- \*Firmender, J. M., Gavin, M. K., & **McCoach, D. B.** (2014). Examining the relationship between

- teachers' instructional practices and students' mathematics achievement. *Journal of Advanced Academics*, 25, 214-236.
- \*Wilson, H. E., Siegle, D., **McCoach, D. B.**, Little, C.A., & Reis, S. M. (2014). A model of academic self-concept: Perceived difficulty and social comparison among academically accelerated secondary school students. *Gifted Child Quarterly*, 58, 111-126.
- \*Crevecouer, Y. C., Coyne, M., & **McCoach, D. B.** (2013). English-language learners and English-only: Learners' response to direct vocabulary instruction. *Reading and Writing Quarterly: Overcoming learning difficulties*, 30, 51-78. DOI: 10.1080/10573569.2013.758943.
- McCoach, D. B.**, Rambo, K., & Welsh, M. (2013). Assessing the growth of gifted students. *Gifted Child Quarterly*, 57, 56-67.
- \*Rubenstein, L., **McCoach, D. B.**, & Siegle, D. (2013). Teaching for creativity scales: An instrument to examine teachers' perceptions of factors that allow for the teaching of creativity. *Creativity Research Journal*.
- \*Adelson, J. L., **McCoach, D. B.**, & Gavin, M. K. (2012). Examining the effects of gifted programming in mathematics and reading using the ECLS-K. *Gifted Child Quarterly*, 56, 25-39.
- McBee, M., **McCoach, D. B.**, Peters, S., & Matthews, M. (2012). The case for a schism: A commentary on Subotnik, Olszeswki-Kubilius, and Worrell (2011). *Gifted Child Quarterly*, 56, 210-214.
- McCoach, D. B.**, & Black, A. C. (2012). Introduction to estimation issues in multilevel modeling. In J. L. Lott and J. S. Antony (Eds.) *Multilevel modeling techniques and applications in institutional research*, 154. San Francisco, CA: Jossey Bass.
- \*Rambo, K. & **McCoach, D. B.** (2012). Teacher attitudes toward subject-specific acceleration: Instrument development and validation. *Journal for the Education of the Gifted*, 35, 129-152.
- \*Rubenstein, L. D., Siegle, D., Reis, S. M., **McCoach, D. B.**, & Burton, M. (2012). A complex quest: The development and research of underachievement interventions for gifted students. *Psychology in the Schools*, 49, 678-694.
- \*Adelson, J., & **McCoach, D. B.** (2011). Development and psychometric properties of the Math and Me Survey: Measuring third through sixth graders' attitudes towards mathematics. *Measurement and Evaluation in Counseling and Development*, 44, 225-247.
- \*Black, A. C., Harel, O., & **McCoach, D. B.** (2011). Missing data techniques for multilevel data: implications of model misspecification. *Journal of Applied Statistics*, DOI: 10.1080/02664763.2010.529882
- Gable, R. K., Ludlow, L. L. **McCoach, D. B.**, & Kite, S. L. (2011). Development and validation of the Survey of Internet Risk and Internet Behavior. *Educational and Psychological Measurement*, 71, 217-230.
- Goldstein, J. & **McCoach, D. B.** (2011). The starting line: Developing a structure for teacher ratings of students' skills at kindergarten entry. *Early Childhood Research and Practice*, 13.
- Reis, S. M., **McCoach, D. B.**, Little, C. A., Muller, L., & Kaniskan, B.\* (2011). The effects of differentiated instruction and enrichment pedagogy on reading achievement in five elementary schools. *American Educational Research Journal*. 48, 462-501.
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- \*Adelson, J., & **McCoach, D. B.** (2010). Measuring the mathematical attitudes of elementary students: The effects of a 4-point or 5-point Likert-Type scale. *Educational and Psychological Measurement*, doi: 10.1177/0013164410366694.
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\*Indicates that the first author is a graduate student.

### Book Chapters

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- McCoach, D. B.**, Newton, S. D., & Gambino, A.\* (in press). Evaluating the fit and adequacy of multilevel models. In A.A. O'Connell, D. B. McCoach, & B. A. Bell (Eds.) *Multilevel Modeling Methods with Introductory and Advanced Applications*. Information Age Press.
- McCoach, D. B.**, Newton, S. D., & Gambino, A.\* (in press). Multilevel Model Selection: Balancing Model Fit and Adequacy. In Khine (Ed). *Methodology for Multilevel Modeling in Educational Research: Concepts and Applications*. Springer.
- Peters, P.\*, Gubbins, E. J., Hamilton, R., **McCoach, D. B.**, Siegle, D., & Puryear, J. (2021). Identifying Underrepresented gifted students: A developmental process. In *Handbook of Giftedness and Talent Development in the Asia-Pacific*, pp. 465-485.
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### Registered Reports

- McCoach, D. B.**, Peters, S., Long, D., & Siegle, D. (in principle acceptance). Examining teacher variability in teacher rating scales for gifted identification. *Exceptional Children*.

### Currently under review or in revision

- Cintron, D.\*, **McCoach, D. B.**, Loken, E., & Bellara, A. (under review). *Right Model, Wrong People*.
- Greene, C.A., **McCoach, D.B.**, Ford, J.D., McCarthy, K., Randall, K.G. & Lang, J. (under review). *Bidirectional effects of parental and adolescent symptom change in trauma-focused cognitive behavioral therapy*. Manuscript submitted for publication.
- Fuhrmeister, P., Myers, E., Phillips, M., & **McCoach, D. B.** (in revision). *Individual differences in phonological skills but not categorical perception predict non-native speech sound learning*.
- Hemmler, V., Broderson, A., Callahan, C. M., & McCoach, D. B. (under review). *Concordance of Gifted Education Policy and Practices at the State, District, and Local Levels*.
- McCoach, D. B.**, Peters, S., & Richardson, J. (in review). *Waiting to Learn*.
- Peters, S., Lee, L., McBee, M., Makel, M., Stambaugh, T., **McCoach, D. B.**, & Johnson, K. (under review). *Psychometrically Optimizing the Identification of Students for Gifted Programs: Balancing Effectiveness and Cost Efficiency*.
- Yu, H., Pyle, K., Chafouleas, S. M., **McCoach, D. B.**, Fabiano, G. A., Riley-Tillman, C., Welsh, M., & Volk, D. (in review). *Student Behavioral Risk: A Latent Variable Analysis of Stability over Time Across Two Measures*.

### Other Publications

- Yu, H. H.\*, **McCoach, D. B.**, Gottfried, A. W., & Gottfried, A. E. (2017). Using Longitudinal Structural Equation Modeling to Study the Development of Intelligence and Its Relation to Academic Achievement. *SAGE Research Methods Cases*, Part 2. DOI: <http://dx.doi.org/10.4135/9781473970625>
- McCoach, D. B.**, & Siegle, D. (2009) The first word: A letter from the co-editors: Effect sizes—An explanation of JAA editorial policy. *Journal of Advanced Academics*, 20, 209-212. [Editorial]
- Behuniak, P., Reis, S. M., **McCoach, D.B.**, & Stephens, J.M. (Eds.). (2007). *A study of student achievement in Connecticut*. Hartford, CT: Connecticut State Department of Education.
- Plucker, J. A., Robinson, N. M., Greenspon, T. S., Feldhusen, J. F., **McCoach, D. B.**, & Subotnik, R. F. (2004). It's not how the pond makes you feel, but rather how high you can jump. *American Psychologist*, 59, 268-269.
- McCoach, D. B.** (2004). Does ability grouping matter? A cross-classified random effects model of children's reading growth over the first two years of school (Abstract). *Roeper Review*, 26, p. 113.
- McCoach, D. B.** (2003, Fall). The future academic's top ten list: Suggestions for graduate students who want to enter academia. *The NERA Researcher*, 41, 3, p. 9, 11.

- Siegle, D. & **McCoach, D. B.** (2003). *Gifted underachievers: What's a parent to do?* Davidson Institute for Talent Development web-based article.
- McCoach, D. B.**, O'Connell, A. A., Levitt, H. & Reis, S. M. (2002). A multilevel analysis of the effects of ability grouping in kindergarten reading using base year data from the ECLS-K. *NAGC Research Briefs*, 2002.
- McCoach, D. B.** (2002, Fall). *Goal valuation intervention CD-ROM* for National Research Center on the Gifted and Talented study of gifted underachievers.
- McCoach, D. B.** (2002, Fall). Suggestions for graduate students who plan to pursue careers in academia. *NAGC Graduate Student Committee Newsletter*, p. 11.
- McCoach, D. B.** (2002, Spring). Measuring achievement. *Quest*, 13 (2).
- McCoach, D. B.** (2002). *Class Value Assessment (CVA)*. Unpublished instrument.
- McCoach, D. B.** (2002). *School Attitude Assessment Survey- Revised (SAAS-R)*. Unpublished instrument.
- McCoach, D. B.** (2001, Fall). Is there a therapeutic dose of quantitative research methods? One student's perspective. *AERA Graduate Student Council Newsletter*, p. 6-7.
- Purcell, J. H., Renzulli, J. S., **McCoach, D. B.**, & Spottiswoode, H. (2001, December). The magic of mentorships. *Parenting for High Potential*, 22-26.
- Siegle, D., Reis, S. M., & **McCoach, D. B.** (2001, Fall). An investigation of interventions for promoting the achievement of low SES and culturally diverse gifted middle school students. *National Research Center on the Gifted and Talented Newsletter*.
- McCoach, D. B.**, & Siegle, D. (2000). What factors relate to students' success in high school? *NAGC Research Briefs*, 2000.
- McCoach, D. B.**, & Purcell, J. (2000). *Yes I Can-2*. Unpublished instrument.
- McCoach, D. B.** (2000). *Research Attitude Probe (RAP)*. Unpublished instrument.
- McCoach, D. B.** (2000). *School Attitude Assessment Survey (SAAS)*. Unpublished instrument.
- McCoach, D. B.** (1999, Spring). Free summer programs for talented teens. *National Research Center on the Gifted and Talented Newsletter*, p. 3-8.

### International Presentations

- McCoach, D. B.**, Dineen, J., Chafouleas, S., & Briesch, A. (2018, October). *Reproducibility in the era of big data: Lessons for developing robust data management and data analysis procedures*. BigSurv18 conference, Barcelona, Spain.
- McCoach, D. B.** (2018, October). *Alternative metrics for assessing school effectiveness*. Keynote address. International Conference on Evaluation, Measurement, and Assessment (ICEMEA). Abu Dhabi, UAE.
- Coyne, M. D., **McCoach, D. B.**, Zipoli, R. & Loftus, S. (2007, November). *Direct vocabulary intervention in kindergarten: Investigating transfer effects*. Paper presented at the International Dyslexia Association Annual Conference, Dallas, TX.
- Coyne, M. D., **McCoach, D. B.**, Zipoli, R. & Loftus, S. (2007, July). *Direct vocabulary intervention in kindergarten: Investigating transfer effects*. Poster presented at the Society for the Scientific Studies of Reading Annual Conference, Prague, Czech Republic.
- McCoach, D. B.** & Siegle, D. (2005, August). *Understanding underachievement: Recent research on gifted underachievers*. Presentation at the World Council for Gifted Education Biennial Conference, New Orleans, LA.
- McCoach, D. B.** (2005, August). *Structural equation modeling in gifted education*. In Pyryt, Symposium. *Quantitative research methods in gifted education*. Presentation at the World Council for Gifted Education Biennial Conference, New Orleans, LA.

- McCoach, D. B.** (2001, August). *Is this because (s)he's gifted? Gifted children with psychological issues*. Presentation at the World Council for Gifted Education Biennial Conference, Barcelona, Spain.
- McCoach, D. B.** (2001, August). Common characteristics of gifted underachievers: Fact or fiction? In D. M Tsai (chair), *Underachievement Symposium*. Presentation at the World Council for Gifted Education Biennial Conference, Barcelona, Spain.
- McCoach, D. B.** (2001, August). Gifted underachievers. In E. J. Gubbins (chair), *Unmasking Giftedness Symposium*. Presentation at the World Council for Gifted Education Biennial Conference, Barcelona, Spain.

### Invited Keynote Presentations

- McCoach, D. B.** (2018, October). *Alternative metrics for assessing school effectiveness*. Second Annual ICEMEA, Abu Dhabi, UAE.
- McCoach, D. B.** (2018, April). *The error of our ways*. Invited presentation, Structural Equation Modeling Modeling SIG, the American Educational Research Association annual conference, New York, NY.
- McCoach, D. B.** (2017, April). *The package does matter!* Invited presentation, Multilevel Modeling SIG, the American Educational Research Association annual conference, San Antonio, TX.
- McCoach, D. B.** (2014, September). *Developing Models*. Keynote address for the Developmental Methodology Conference, Society of Research on Child Development.

### National Presentations

- Cintron, D.\*, & **McCoach, D. B.** (2019, April). *Right model, wrong people: Correct class assignment in Latent Class Analysis*. Paper presented at the American Educational Research Association annual conference, Toronto, ON.
- Hamilton, R., McCoach, D. B., Siegle, D., & Long, D. (2019, April). *What really happens in gifted education: A portrait of 3 States*. Paper presented at the American Educational Research Association annual conference, Toronto, ON.
- Long, D., McCoach, D. B., Hamilton, R., & Siegle, D., & (2019, April). *The effects of ability grouping of gifted students on gifted and non-gifted achievement growth*. Paper presented at the American Educational Research Association annual conference, Toronto, ON.
- Peters, P.\* & McCoach, D. B. (2019, April). *Development and validation of the Assessment of Teachers' Attitudes toward Twice-Exceptionality*. Poster presented at the American Educational Research Association annual conference, Toronto, ON.
- Estepar-Garcia, W.\*, & **McCoach, D. B.** (2018, April). Using person mean centering to address non-normality and improve interpretability of affective instruments. Paper presented at the American Educational Research Association annual conference, New York, NY.
- McCoach, D. B.** (2018, April). *The error of our ways*. Invited Structural Equation Modeling SIG Business meeting address. American Educational Research Association annual conference, New York, NY.
- McCoach, D. B.**, Hamilton, R., & Long, D. (2018, April). Understanding Excellence Gaps: What can we learn from studying within school variability? Paper presented as part of a Symposium at the American Educational Research Association annual conference, New York, NY.
- Reid, M.\*, Tutwiler, M.S., **McCoach, D. B.**, & Hamilton, R. (2018, April). *Exploring the Relationship between District Income Segregation and Achievement in Pennsylvania*. Roundtable paper

- presented at the American Educational Research Association annual conference, San Antonio, TX.
- Hamilton, R., McCoach, D. B., & Tutwiler, M. S. (2017, April). Identification of Gifted English Learners: An empirical examination of two states. Paper presented at the American Educational Research Association annual conference, San Antonio, TX.
- Tutwiler, S., **McCoach, D. B.**, Hamilton, R., & Siegle, D. (2017, April). Trends in Reading Growth between gifted and non-gifted students: An individual growth model analysis. Paper presented at the American Educational Research Association annual conference, San Antonio, TX.
- Baker, D., **McCoach, D. B.**, Ware, S., & Coyne, M. (2017, March). Effects of an English Kindergarten Vocabulary Intervention on the Word Knowledge of Spanish-Speaking English Learners. Paper presented at the Society for Research on Educational Effectiveness Conference, Washington, D. C.
- McCoach, D. B.**, Rifenbark, G., Li, X., Bellara, A., Kooken, J., Newton, S., Yomtov, D., & Gambino, A. (2016, May). *The package does matter: A comparison of 5 software packages for multilevel modeling*. Paper presented at the Modern Modeling Methods conference. Storrs, CT.
- \*Flake, J. K. & **McCoach, D. B.** (2016, April). *An Investigation of the Alignment Method for Estimating Measurement Models and Detecting Noninvariance with Polytomous Items*. Paper presented at the American Educational Research Association annual conference, Washington, D. C.
- \*Kooken, J., **McCoach, D. B.**, Chafouleas, S., & Welsh, M. (2016, April). Effects of Modeling Residual Noninvariance Using Growth Mixture Modeling: A Case Study. Paper presented at the American Educational Research Association annual conference, Washington, D. C.
- McBee, M., **McCoach, D. B.**, & Makel, M. A. (2016, April). *Theory of Achievement Growth Based on Vygotsky's Zone of Proximal Development*. Paper presented at the American Educational Research Association annual conference, Washington, D. C.
- McCoach, D. B.** (2016, April). *The Mismatch Between Age-Based Identification and Grade-Based Programming*. Paper presented at the American Educational Research Association annual conference, Washington, D. C.
- McCoach, D. B.**, & O'Connell, A. A. (2016, April). *An introduction to hierarchical linear modeling for educational researchers*. All day invited professional development workshop at the 2014 Annual Meeting of the American Educational Research Association, Washington, D. C.
- McCoach, D. B.**, Settlage, J., & \*Bousquet, D. R. (2016, April). *What Lurks Beneath the Surface? Alternative Frameworks for Assessing School Effectiveness*. Paper presented at the American Educational Research Association annual conference, Washington, D. C.
- McCoach, D. B.**, Siegle, D., Callahan, C., Gubbins, E. J. (2016, April). *The identification gap: When just as good isn't enough*. Poster presented at the American Educational Research Association annual conference, Washington, D. C.
- \*Newton, S. D. & **McCoach, D. B.** (2016, April). *Mirror, Mirror, on the Wall—Which Criterion Performs Best of All?* Paper presented at the American Educational Research Association annual conference, Washington, D. C.
- Welsh, M., Waterman, C. A., \*Davenport, G., & **McCoach, D. B.** (2016, April). *Outcome Scaling to Evaluate Teacher Candidates and Teacher Preparation Programs*. Paper presented at the American Educational Research Association annual conference, Washington, D. C.
- Siegle, D., **McCoach, D. B.**, Cross, T., Johnson, S., Matthews, M., Ambrose, D., & McBee, M. (2015, November). *Publishing in gifted education journals: Editors' tips*. National Association of Gifted Children, Phoenix, AZ.
- Beverly, T. & **McCoach, D. B.** (2015, April). *Perceptions of Standardized Test-Taking Ability Survey: Development, Validation, and Replication*. Paper presented at the American Educational



- Research Association annual conference, Chicago, IL.
- Flake, J., Barron, K., Hulleman, C., & **McCoach, D. B.** (2015, April). *A Mixed-Methods Scale Validation for Measuring College Students' Psychological Cost*. Paper presented at the American Educational Research Association annual conference, Chicago, IL.
- McCoach, D. B.**, & O'Connell, A. A. (2015, April). *An introduction to hierarchical linear modeling for educational researchers*. All day invited professional development workshop at the 2014 Annual Meeting of the American Educational Research Association, Chicago, IL.
- Yu, H. H., **McCoach, D. B.**, Gottfried, A., & Gottfried, A. (2015, April). The Relationship between Early Cognitive Ability, Middle Childhood IQ, and Adolescent Achievement. Paper presented at the American Educational Research Association annual conference, Chicago, IL.
- Siegle, D., **McCoach, D. B.**, Cross, T., Johnson, S., Matthews, M., Ambrose, D., & McBee, M. (2014, November). *Publishing in gifted education journals: Editors' tips*. National Association of Gifted Children, Baltimore, MD.
- \*Flake J. K., \*Strauts, E., **McCoach, B.**, Rogers, H. J., & Welsh, M. (2014, May). *An investigation of the alignment method for detecting measurement non-invariance across many groups with dichotomous indicators*. Paper presented at the Modern Modeling Methods Conference, Storrs, CT.
- \*Flake, J. K., **McCoach, D. B.**, Barron, K. E., Hulleman, C. S., & Welsh, M. (2014, April). Initial validity evidence for a new scale to measure cost. Poster presented at the American Educational Research Association annual conference, Philadelphia, PA.
- Goldstein, J. A., & **McCoach, D. B.** (2014, April). *The role of context in teacher ratings of student Skills at the start of kindergarten*. Paper presented at the American Educational Research Association annual conference, Philadelphia, PA.
- \*Madura, J. P., **McCoach, D. B.**, & Gentry, M. (2014, April). The effects of teacher and student perceptions of choice and challenge on academic achievement. Paper presented at the American Educational Research Association annual conference, Philadelphia, PA.
- McBee, M. & **McCoach, D. B.** (2014, April). *The Case for a schism: High ability psychology and advanced academics*. Paper presented at the American Educational Research Association annual conference, Philadelphia, PA.
- McCoach, D. B.**, & O'Connell, A. A. (2013, April). *An introduction to hierarchical linear modeling for educational researchers*. All day invited professional development workshop at the 2014 Annual Meeting of the American Educational Research Association, Philadelphia, PA.
- \*Newton, S. D., & **McCoach, D. B.** (2014, April). *Selecting correct multilevel models: Investigating Akaike and Bayesian Information Criteria and sample size issues*. Paper presented at the American Educational Research Association annual conference, Philadelphia, PA.
- Settlage, J., Butler, M., **McCoach, D. B.**, Madura, J. P., Wenner, J. A., & Andrada, G. (2014, April). *Organizational and Leadership Factors associated with elementary school science performance*. Paper presented at the American Educational Research Association annual conference, Philadelphia, PA.
- \*Yu, H., Welsh, M., & **McCoach, D. B.** (2014, April). *Relationship between teacher judgments and student achievement: A multilevel Bayesian Structural Equation Modeling study*. Paper presented at the American Educational Research Association annual conference, Philadelphia, PA.
- McCoach, D. B.** & Rambo, K. (2013, November). Assessing the growth of gifted students: What educators need to know. Paper presentation at the 2013 Annual Meeting of the National Association of Gifted Children, Indianapolis, IN.
- McCoach, D. B.**, Cross, T., Johnson, S., Matthews, M., Ambrose, D., & McBee, M. (2012, November). *Publishing in gifted education journals: Editors' tips*. National Association of Gifted Children,

Denver, CO.

- Eastwood, M. & **McCoach, D. B.** (2013, April). *Sample size and information criteria accuracy when selecting from competing hierarchical linear models*. Paper presentation at the 2013 Annual Meeting of the American Educational Research Association, San Francisco, CA.
- Madura, J. P., **McCoach, D. B.**, Settlage, J., & Andrada, G. (2013). *Status, growth, and school effectiveness*. Paper presentation at the 2013 Annual Meeting of the American Educational Research Association, San Francisco, CA.
- McCoach, D. B.**, & O'Connell, A. A. (2013, April). *An introduction to hierarchical linear modeling for educational researchers*. All day invited professional development workshop at the 2013 Annual Meeting of the American Educational Research Association, San Francisco, CA.
- O'Shea, K, **McCoach, D. B.**, & Gubbins, E. J. (2013, April). *Gifted identification. What roles do cut scores and identification rules play?* Paper presentation at the 2013 Annual Meeting of the American Educational Research Association, San Francisco, CA.
- McCoach, D. B.**, Newton, S. D., Siegle, D., Picho, K., & Baslanti, U. (2013, April). *Measuring underachievement: Comparing the CSAS and the SAAS-R*. Paper presentation at the 2013 Annual Meeting of the American Educational Research Association, San Francisco, CA.
- McCoach, D. B.**, Gubbins, E. J., Foreman, J. Rubenstein, L., & Rambo, K., (2013, March). *Evaluating the efficacy of using pre-differentiated and enriched mathematics curricula for grade three students*. Paper presentation at the 2013 Spring Conference of the Society for Research on Educational Effectiveness.
- McCoach, D. B.**, Cross, T., Johnson, S., Matthews, M., Siegle, D., & McBee, M. (2012, November). *Publishing in gifted education journals: Editors tips*. National Association of Gifted Children, Denver, CO.
- McCoach, D. B.**, Gubbins, E. J., Rambo, K., Rubenstein, L., & Foreman, J. (2012, April). *Who benefits from differentiated math curricula? Examining school context and student ability within a randomized controlled trial*. Paper presentation at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, CA.
- McCoach, D. B.** and O'Connell, A. (2012, April). *An introduction to hierarchical linear modeling for educational researchers*. All day invited preconference workshop at the American Educational Research Association's at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, CA.
- McCoach, D. B.** & Rambo, K. (2012, April). *Assessing the growth of gifted students*. Invited presentation for the Research on Giftedness and Talent Development SIG Business meeting at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, CA.
- McCoach, D. B.**, Siegle, D., & Callahan, C. (2012, April). *Journal talks 1: Gifted Child Quarterly*. Roundtable presentation at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, CA.
- Rambo, K., & **McCoach, D. B.** (2012, April). *Using summer growth patterns in reading to assess the impact of schools on gifted students*. Paper presentation at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, CA.
- Rimm, S. Siegle, D., & **McCoach, D. B.** (2011, November). *Connecting for high potential: How parents, teachers, and school counselors can work collaboratively to reverse underachievement for gifted students*. Mini-keynote at the 2011 Annual Meeting of the National Association of Gifted Children, New Orleans, LA.
- McCoach, D. B.**, Lohman, D., Cross, T., & Dai, D. (2011, November). *Is giftedness a qualitative or quantitative construct?* Panel presentation at the 2013 Annual Meeting of the National Association of Gifted Children, Indianapolis, IN.
- Peters, S., McBee, M., Matthews, M., and **McCoach, D. B.** (2013, November). *The Role and*

- Relationship Between Gifted Education in Research and in K-12 Schools*. Paper presentation at the 2013 Annual Meeting of the National Association of Gifted Children, Indianapolis, IN.
- Little, C. A., Reis, S. M., & **McCoach, D. B.** (2011, April). *Effects of differentiated reading instruction on middle school student achievement*. Paper presentation at the 2011 Annual Meeting of the American Educational Research Association, New Orleans, LA.
- McCoach, D. B.** & O'Connell, A. (2011, April). *A gentle introduction to hierarchical linear modeling*. All day invited preconference workshop at the American Educational Research Association's annual national conference. New Orleans, LA.
- Rambo, K. & **McCoach, D. B.** (2011, April). *Teacher attitudes toward subject specific acceleration*. Paper presentation at the 2011 Annual Meeting of the American Educational Research Association, New Orleans, LA.
- Sen, R. & McCoach, D. B. (2011, April). *Development and initial validation of the scales of "Creativity in Graduate Research" survey*. Poster presentation at the 2011 Annual Meeting of the American Educational Research Association, New Orleans, LA.
- Siegle, D., Rubenstein, L. & **McCoach, D. B.** (2011, April). *Comparing teachers', parents', and gifted underachieving students' personal perceptions of factors associated with student achievement*. Paper presentation at the 2011 Annual Meeting of the American Educational Research Association, New Orleans, LA.
- McCoach, D. B.** (2010, November). Moderator, *Setting a research agenda in gifted education for the next decade*. Panel presentation at the 2010 Annual Meeting of the National Association of Gifted Children, Atlanta, GA.
- McCoach, D. B.** & Siegle, D. (2010, November). *Measuring attitudes related to the underachievement of gifted students*. Paper presentation at the 2010 Annual Meeting of the National Association of Gifted Children, Atlanta, GA.
- Adelson, J., **McCoach, D. B.**, & Gavin, K. (2010, May). *Examining the effects of gifted programming in mathematics and reading using the ECLS-K*. Paper presentation at the 2010 Annual Meeting of the American Educational Research Association, Denver, CO.
- Kaniskan, B., Kenny, D. A., & **McCoach, D. B.** (2010, May). *RMSEA in models with small df*. Roundtable paper presentation at the 2010 Annual Meeting of the American Educational Research Association, Denver, CO.
- McCoach, D. B.**, Picho, K. & Baslanti, U. (2010, May). *Validation of the challenges to scholastic achievement scale: Comparing the CSAS and the SAAS-R*. Paper presentation at the 2010 Annual Meeting of the American Educational Research Association, Denver, CO.
- Mitchell, M., **McCoach, D. B.**, & Siegle, D. L. (2010, May). *Validation study of the Scales of Educational Attitudes and Behaviors*. Paper presentation at the 2010 Annual Meeting of the American Educational Research Association, Denver, CO.
- Rubenstein, L., **McCoach, D. B.**, & Siegle, D. L. (2010, May). *Examining teachers' perceptions of creativity using a construct validation approach*. Paper presentation at the 2010 Annual Meeting of the American Educational Research Association, Denver, CO.
- Adelson, J. L., & **McCoach, D. B.** (2009, August). *Development of an instrument to measure elementary students' mathematical attitudes*. Poster presented at the American Psychological Association 117th Annual Convention, Toronto, Canada.
- Adelson, J. L., **McCoach, D. B.**, & Rogers, H. J. (2009, August). *Equal-size or equal-interval: A comparison of propensity score stratification schemes*. Poster presented at the American Psychological Association 117th Annual Convention, Toronto, Canada.
- Black, A. C., Harel, O., **McCoach, D. B.**, Rogers, H. J., & Swaminathan, H. (2009, August). *A Monte Carlo comparison of modern missing data techniques for multilevel data*. Poster presentation at the Annual Meeting of APA, Toronto, Canada.

- McCoach, D. B.** (2009, April). *Identification and programming issues: The past, the present, and the future of research in gifted education*. Panel presentation at the 2009 Annual Meeting of the American Educational Research Association, San Diego, CA.
- McCoach, D. B.** (2009, April). *Using multilevel modeling in gifted education research*. Paper presentation, Advanced Methodologies for Gifted Education Research Symposium at the 2009 Annual Meeting of the American Educational Research Association, San Diego, CA.
- Adelson, J. & **McCoach, D. B.** (2009, April). *Estimating treatment effects using stratification on the propensity score: Variable selection and stratification issues*. Paper presentation at the 2009 Annual Meeting of the American Educational Research Association, San Diego, CA.
- Adelson, J. & **McCoach, D. B.** (2009, April). *Measuring the mathematical attitudes of elementary students: The effects of a 4-point or 5-point Likert scale*. Paper presentation at the 2009 Annual Meeting of the American Educational Research Association, San Diego, CA.
- Gable, R. K., Ludlow, L., Kite, S., & **McCoach, D. B.** (2009, April). *Development and validation of the Survey of Internet Risk and Behavior*. Roundtable presentation at the 2009 Annual Meeting of the American Educational Research Association, San Diego, CA.
- Howland, A. A., Anderson, J. A., & **McCoach, D. B.** (2009, April). *Modeling resiliency in the prevention of special education identification*. Paper presentation at the 2009 Annual Meeting of the American Educational Research Association, San Diego, CA.
- Lu, A. & **McCoach, D. B.** (2009, April). *Development of the GRE Test-Takers' Experiences and Attitudes Survey*. Paper presentation at the 2009 Annual Meeting of the American Educational Research Association, San Diego, CA.
- Paul, K. A., Little, C. A., & **McCoach, D. B.** (2009, April). *Pathways to professional development: Measuring teachers' orientation toward learning*. Paper presentation at the 2009 Annual Meeting of the American Educational Research Association, San Diego, CA.
- Rambo, K. E., & **McCoach, D. B.** (2009, April). *Teacher attitudes toward grade-skipping and subject-specific acceleration: Underlying factors and predicted behaviors*. Paper presentation at the 2009 Annual Meeting of the American Educational Research Association, San Diego, CA.
- Siegle, D., & **McCoach, D. B.** (2009, April). *The application of the achievement-orientation model to the job satisfaction of teachers of the gifted*. Paper presented at the 2009 Annual Meeting of the American Educational Research Association, San Diego, CA.
- McCoach, D. B.**, Peters, S., & McBee, M. (2008, November). *Multilevel modeling: A panel discussion for researchers and graduate students*. Paper session at the 2008 National Association of Gifted Children annual conference, Tampa, FL.
- Black, A. C., Little, C. A., **McCoach, D. B.**, Purcell, J., & Siegle, D. (2008, March). *Advancement via individual determination (AVID): The role of method selection in conclusions about program effectiveness*. Paper session at the 2008 American Educational Research Association annual conference, New York, NY.
- Ioannou, A., & **McCoach, D. B.** (2008, March). *Development and initial validation of the Diversity Attitudinal Satisfaction (DAS) Scale*. Poster session at the 2008 American Educational Research Association annual conference, New York, NY.
- Liu, X., O'Connell, A.A., & **McCoach, D. B.** (2008, March). *Teachers' perceptions of grading practices: A cross-cultural study in the U.S. and China*. Paper session at the 2008 American Educational Research Association annual conference, New York, NY.
- Zipoli, R., Coyne, M., & **McCoach, D. B.** (2008, March). *Enhancing vocabulary intervention for kindergarten students with semantically related and embedded word review*. Paper session at the 2008 American Educational Research Association annual conference, New York, NY.
- Loftus, S., Coyne, M. D., **McCoach, D. B.**, & Zipoli, R. (2008, February). *Vocabulary intervention in kindergarten: The effects of Tier 1 + Tier 2*. Poster presented at the Pacific Coast Research

- Conference, San Diego, CA.
- Coyne, M. D., **McCoach, D. B.**, Zipoli, R. & Loftus, S. (2007, November). *Direct vocabulary intervention in kindergarten: Investigating transfer effects*. Paper presented at the International Dyslexia Association Annual Conference, Dallas, TX.
- Coyne, M. D., **McCoach, D. B.**, Zipoli, R. & Loftus, S. (2007, July). *Direct vocabulary intervention in kindergarten: Investigating transfer effects*. Poster presented at the Society for the Scientific Studies of Reading Annual Conference, Prague, Czech Republic.
- Coyne, M. D., **McCoach, D. B.**, Zipoli, R. & Loftus, S. (2007, June). *Direct vocabulary intervention in kindergarten: Investigating transfer effects*. Poster presented at the U.S. Department of Education Institute of Education Sciences' Research Conference, Washington, DC.
- Artino, A., & **McCoach, D. B.** (2007, April). *Development and initial validation of the online learning value and efficacy scale*. Poster session at the 2007 American Educational Research Association annual conference, Chicago, IL.
- Bell, C. A., Higgins, T., **McCoach, D. B.**, & Wilson, S. M. (2007, April). *Measuring the effects of professional development: The case of developing mathematical ideas*. Paper session at the 2007 American Educational Research Association annual conference, Chicago, IL.
- Cepero-Garcia, M. C., & **McCoach, D. B.** (2007, April). *Implicit theories of intelligence and giftedness among educators*. Paper session at the 2007 American Educational Research Association annual conference, Chicago, IL.
- O'Connell, A.A., **McCoach, D. B.**, et al. (2007, April). *Issues, research, and teaching for the multilevel analysis of educational data*. Structured poster session at the 2007 American Educational Research Association annual conference, Chicago, IL.
- Kapp, S., Coyne, M. D., & **McCoach, D. B.** (2007, March). *Examining the relationship between kindergarten students' behavior and response to vocabulary intervention*. Poster presented at the Annual Conference of the National Association of School Psychologists, New York, NY.
- Loftus, S., Coyne, M. D., & **McCoach, D. B.** (2007, March). *Direct vocabulary instruction in kindergarten: Effects of a research-based intervention*. Poster presented at the Annual Conference of the National Association of School Psychologists, New York, NY.
- Cepero-Garcia, M.C., & **McCoach, D. B.** (2006, November). *Implicit theories of intelligence and giftedness identification in educators*. Presentation at the National Association of Gifted Children annual conference, Charlotte, N.C.
- Clinkenbeard, P., Siegle, D., & **McCoach, D. B.** (2006, November). *What the research says about motivation and the gifted*. Presentation at the National Association of Gifted Children annual conference, Charlotte, N.C.
- Matthews, M.S., Gentry, M., **McCoach, D. B.**, Matthews, D., Worrell, F. C., & Dixon, F. (2006, November). *Effect size reporting in gifted education, 1996 – 2005: Where we are, and why it matters*. Presentation at the National Association of Gifted Children annual conference, Charlotte, N.C.
- Black, A. C. & **McCoach, D. B.** (2006, August). *Validity study of the Sternberg-Wagner MSG Thinking Styles Inventory*. Poster session at the 2006 American Psychological Association conference, New Orleans, LA.
- Coyne, M. D., **McCoach, D. B.**, Kapp, S., Loftus, S., & Zipoli, R. (2006, July). *Direct vocabulary instruction during shared storybook reading with kindergarten students: A comparison of basic instruction, extended instruction, and incidental exposure*. Poster presented at the Society for the Scientific Studies of Reading Annual Conference, Vancouver, BC.
- Coyne, M. D., **McCoach, D. B.**, Kapp, S., Loftus, S., & Zipoli, R. (2006, June). *Direct vocabulary instruction during shared storybook reading with kindergarten students: A comparison of basic instruction, extended instruction, and incidental exposure*. Poster presented at the U.S.

- Department of Education Institute of Education Sciences' Research Conference, Washington, DC.
- Siegle, D., Reis, S. M., & **McCoach, D. B.** (2006, June). *A study to increase academic achievement among gifted underachievers*. Poster presented at the 2006 IES Research Conference, Washington, D. C.
- Tieso, C. L., & **McCoach, D. B.** (2006, April). *Comparing the affective characteristics of gifted students and students with learning disabilities*. Paper session at the 2006 American Educational Research Association annual conference, San Francisco, CA.
- Liu, X., O'Connell, A. A., & **McCoach, D. B.** (2006, April). *The initial validation of teachers' perceptions of grading practices*. Roundtable session at the 2006 American Educational Research Association annual conference, San Francisco, CA.
- Coyne, M. D., **McCoach, D. B.**, Kapp, S., Loftus, S., & Zipoli, R. (2006, February). *Direct vocabulary instruction during shared storybook reading with kindergarten students: A comparison of basic instruction, extended instruction, and incidental exposure*. Poster presented at the Pacific Coast Research Conference, San Diego, CA.
- McCoach, D. B.**, Koehler, J. K., Fogarty, E. A., & Garcia, M. C. (2005, November). *Developing affective and other evaluation instruments: Lessons learned from the field*. Presentation at the National Association of Gifted Children annual conference, Louisville, KY.
- McCoach, D. B.**, Siegle, D., Mann, R., & Moore, M. (2005, November). *Underachievement or ADHD?* Presentation at the National Association of Gifted Children annual conference, Louisville, KY.
- Siegle, D. & **McCoach, D. B.** (2005, November). *Turning gifts into talents: Strategies to increase student motivation and achievement*. Presentation at the National Association of Gifted Children annual conference, Louisville, KY.
- Fiala, K. A., O'Connell, A. A., **McCoach, D. B.** & Ritenour, D. (2005, April). *Treatment (Mail or webbased) and demographic differences of survey responding and non-responding certified athletic trainers*. Paper session at the American Educational Research Association annual conference. Montreal, CA.
- McCoach, D. B.** & Siegle, D. (2005, April). *Personal and contextual predictors of attitudes toward the gifted..* Paper session at the American Educational Research Association annual conference. Montreal, CA.
- Coyne, M. D., **McCoach, D.B.**, & Kapp, S. (2005, February). *Teaching vocabulary to kindergarten students during shared storybook readings*. Paper presented at the Pacific Coast Research Conference, San Diego, CA.
- Coyne, M. D., **McCoach, D. B.**, & Kapp, S. (2004, December). *Teaching vocabulary to kindergarten students during shared storybook readings*. Paper presented at the National Reading Conference, San Antonio, TX.
- McCoach, D. B.** & Siegle, D. (2004, November). *Understanding underachievement*. Presentation at the National Association of Gifted Children annual conference, Salt Lake City, UT.
- Siegle, D. & **McCoach, D. B.** (2004, November). *Motivating gifted students*. Presentation at the National Association of Gifted Children annual conference, Salt Lake City, UT.
- McCoach, D. B.** (2003, November). *Gifted education: Is our research scientific?* Chair and moderator of panel presentation at the National Association of Gifted Children annual conference, Indianapolis, IN.
- McCoach, D. B.** & O'Connell, A. A. (2003, November). *New approaches to modeling quantitative data in gifted education*. Presentation at the National Association of Gifted Children annual conference, Indianapolis, IN.
- McCoach, D. B.** (2003, November). *Waiting to learn*. Presentation at the National Association of Gifted Children annual conference, Indianapolis, IN.

- Siegle, D., **McCoach, D. B.**, & O'Connor, K. J. (2003, November). *Measuring bias/attitudes about gifted students*. Presentation at the National Association of Gifted Children annual conference, Indianapolis, IN.
- McCoach, D. B.** & O'Connell, A. A. (2003, April). *An examination of students' reading growth over the first two years of school using structural equation modeling and hierarchical linear modeling techniques*. Paper session at the American Educational Research Association annual conference, Chicago, IL.
- O'Connell, A. A. & **McCoach, D. B.**, & Levitt, H. (2003, April). *Modeling longitudinal ordinal response variables for educational data*. Paper session at the American Educational Research Association annual conference, Chicago, IL.
- McCoach, D. B.** (2003, April). The transition from student to scholar. In D. Ketelhut (Chair) *The graduate student survival guide* symposium at the American Educational Research Association annual conference, Chicago, IL.
- McCoach, D. B.** (2003, April). Does grouping matter? In B. Schmidt (Chair) *AERA Dissertation Grants* symposium at the American Educational Research Association annual conference, Chicago, IL.
- McCoach, D. B.**, & O'Connell, A. A. (2002, November). *A multilevel analysis of the effects of ability grouping in kindergarten reading using base year data from the ECLS-K*. Presentation at the National Association of Gifted Children annual conference, Denver, CO.
- Renzulli, J. S., Gubbins, E. J., Siegle, D., **McCoach, D. B.**, Richards, S., & Reis, S. M. (2002, November). *Current research from the National Research Center on the Gifted and Talented*. Special session at the National Association of Gifted Children annual conference, Denver, CO.
- McCoach, D. B.** (2002, November). Invited Panelist for *Underachieving gifted students: What do we know?* Presentation at the National Association of Gifted Children annual conference, Denver, CO.
- McCoach, D. B.**, & Siegle, D. (2002, August). *Pilot validation of the Class Value Assessment (CVA)*. Poster presentation at the American Psychological Association annual conference, Chicago, IL.
- McCoach, D. B.**, & Siegle, D. (2002, May). *Factors that differentiate underachieving gifted students from high achieving gifted students*. Concurrent paper presentation at the Sixth Biennial Wallace National Research Symposium on Talent Development. Iowa City, Iowa. May 19-May 21, 2002.
- McCoach, D. B.**, O'Connell, A. A., Levitt, H. & Reis, S. M. (2002, April). *A multilevel analysis of the effects of ability grouping in kindergarten reading using base year data from the ECLS-K*. Presentation at the American Educational Research Association annual conference, New Orleans, LA.
- McCoach, D. B.**, & Siegle, D. (2002, April). *Differences in the relationship between self-concept and achievement in gifted and non-gifted students*. In J. S. Renzulli (chair), *Giftedness and Self Concept Symposium* at the American Educational Research Association annual conference, New Orleans, LA.
- Ruban, L. M., & **McCoach, D. B.** (2002, April). *Gender similarities and differences in pre-college factors, self-regulated learning, and academic achievement among university students*. Paper discussion at the American Educational Research Association annual conference, New Orleans, LA.
- McCoach, D. B.**, Kehle, T. K., Bray, M., and Siegle (2002, February). *Best practices in the identification of gifted students with learning disabilities*. Presentation at the annual conference of the National Association of School Psychologists, Chicago, IL.
- Rizza, M., McIntosh, D., Baum, S., Dixon, F., Landrum, M., **McCoach, D. B.**, Montgomery, D., Morrison, W., & Stormont, M. (2002, February). *Broadening perspectives on giftedness:*

- Contemporary definitions and issues.* Presentation at the annual conference of the National Association of School Psychologists, Chicago, IL.
- McCoach, D. B., & Siegle, D.** (2001, August). *The SAAS-R: A new instrument to identify students who underachieve.* Poster presentation at the American Psychological Association annual conference, San Francisco, CA.
- McCoach, D. B., & Siegle, D.** (2001, April). *Why try? Examining factors that differentiate gifted achievers from gifted underachievers.* Paper presentation at the American Educational Research Association annual conference, Seattle, WA.
- Ruban, L. M., & **McCoach, D. B.** (2001, April). *A pilot validation of the learning strategies and study skills survey with a sample of students with and without learning disabilities.* Poster presentation at the American Educational Research Association annual conference, Seattle, WA.
- McCoach, D. B. & Purcell, J.** (2000, November). *Mentor Connection: Authentic experiences to enhance creative productivity.* Presentation at the annual conference of the National Association of Gifted Children, Atlanta, GA.
- McCoach, D. B. & Siegle, D.** (2000, November). *What factors relate to students' success in high school?* Paper presented at the annual conference of the National Association for Gifted Children, Atlanta, GA.
- McCoach, D. B.** (2000, April). *A cross-validation of the School Attitude Assessment Survey.* Poster session presented at the annual conference of the American Educational Research Association, New Orleans, LA.
- Ruban, L. M., & **McCoach, D. B.** (2000, November). *Differences in study practices and academic achievement among college students with and without learning disabilities.* Paper presented at the annual conference of the National Association for Gifted Children, Atlanta, GA.
- Siegle, D. & **McCoach, D. B.** (2000, November). *Promoting an achievement oriented learning environment.* Presentation at the annual conference of the National Association of Gifted Children, Atlanta, GA.
- Siegle, D. & **McCoach, D. B.** (2000, April). *Strategies for motivating underachievers.* Paper presented at the annual conference of the Council for Exceptional Children, Vancouver, BC.
- Siegle, D. & **McCoach, D. B.** (1999, November). *Academic Challenge: Are we barking up the wrong tree?* Paper presented at the annual conference of the National Association for Gifted Children, Albuquerque, NM.
- McCoach, D. B.** (1998, November). *Gifted underachievers: Whose yardstick should we use?* Paper presented at the annual conference of the National Association for Gifted Children, Louisville, KY.

### Invited Symposia, Lectures, and Seminars

- McCoach, D. B.** (2012, May). *From mastery to eminence: Thoughts from a K-12 researcher.* Invited Panel presentation, Gifted Education Summit, Johns Hopkins University, Baltimore, MD.
- McCoach, D. B.** (2008, December). *Modeling non-linear growth trajectories.* Psychology Department, Harvard University. Boston, MA.
- McCoach, D. B.** (2007, May). *Growing readers: Longitudinal investigations of early reading growth using the ECLS-K.* Haskins Laboratory, Yale University. New Haven, CT.

### State and Regional Presentations

- McCoach, D. B.** (2010, November). Panelist, *Value added modeling* Panel, Educator Effectiveness Conference, sponsored by the Connecticut Association of Public School Superintendents.
- Coyne, M. D., **McCoach, D. B.**, Ware, S., Capozzoli, A., & Eastwood, M. (2010, February).



- Direct vocabulary Instruction in kindergarten: Explaining transfer effects.* Poster presented at the Pacific Coast Research Conference, San Diego, CA.
- Coyne, M., **McCoach, D. B.**, Rambo, K., & Ware, S. (2008, October). *Measuring student vocabulary acquisition: Research and practice.* Working group paper session presented at the annual conference of the Northeastern Educational Research Association, Rocky Hill, CT.
- McCoach, D. B.**, & Black, A. C. (2008, October). *An introduction to growth curve modeling using HLM.* An in-conference workshop presented at the annual conference of the Northeastern Educational Research Association, Rocky Hill, CT.
- Loftus, S., Coyne, M. D., **McCoach, D. B.**, & Zipoli, R. (2008, February). *Vocabulary intervention in kindergarten: The effects of Tier 1 + Tier 2.* Poster presented at the Pacific Coast Research Conference, San Diego, CA.
- Siegle, D., & **McCoach, D. B.** (2005, May). *Promoting achievement orientation.* Invited presentation at the National Research Center on the Gifted and Talented Conference, Storrs, CT.
- McCoach, D. B.** & Eckert, R. (2005, May). *Tests and measurements for teachers.* Invited presentation at the National Research Center on the Gifted and Talented Conference, Storrs, CT.
- McCoach, D. B.** (2004, April). *Identifying gifted students with learning disabilities.* Invited presentation at the annual conference of the Pennsylvania Association for the Gifted, Pittsburgh, PA.
- McCoach, D. B.** (2004, April). *Is this because(s)he's gifted?* Invited presentation at the annual conference of the Pennsylvania Association for the Gifted, Pittsburgh, PA.
- McCoach, D. B.** (2004, April). *The underachievement of gifted students.* Invited presentation at the annual conference of the Pennsylvania Association for the Gifted, Pittsburgh, PA.
- Siegle, D., & **McCoach, D. B.** (2004, April). *Underachievement: Current answers to an old problem.* Invited presentation at the annual conference of the Pennsylvania Association for the Gifted, Pittsburgh, PA.
- Siegle, D., & **McCoach, D. B.** (2004, February). *Underachievement: Current answers to an old problem.* Invited presentation at the annual conference of the California Association for the Gifted, Anaheim, CA.
- Siegle, D., & **McCoach, D. B.** (2003, May). *Interventions to promote achievement.* National Research Center on the Gifted and Talented Conference, Storrs, CT.
- McCoach, D. B.**, & Siegle, D. (2001, October). *Using the SAAS to classify students as high achievers or low achievers.* A paper presented at the annual conference of the Northeastern Educational Research Association, New York.
- McCoach, D. B.** (2001, April). *Identification of gifted students.* Workshop presented at the annual conference of the Pennsylvania Association of Gifted Education, Pittsburgh.
- McCoach, D. B.** (2001, April). *Is this because (s)he's gifted? Gifted children with psychological issues.* Workshop presented at the annual conference of the Pennsylvania Association of Gifted Education, Pittsburgh.
- McCoach, D. B.** (2000, October). *Instructional strategies for meeting the needs of academically diverse students: A look at differentiation.* Workshop presented at the annual conference of the Council for Exceptional Children (Idaho Association of the Gifted) Sun Valley, ID.
- McCoach, D. B.** (2000, October). *Is this because (s)he's gifted? Maladaptive behaviors in gifted students.* Workshop presented at the annual conference of the Council for Exceptional Children (Idaho Association of the Gifted) Sun Valley, ID.
- McCoach, D. B.** (2000, October). *Underachieving gifted students.* Workshop presented at the

annual conference of the Council for Exceptional Children (Idaho Association of the Gifted) Sun Valley, ID.

**McCoach, D. B.** (2000, October). *So what do these test scores mean?* Workshop presented at the sixth annual conference of the New England Conference on Gifted and Talented Education, Providence.

Siegle, D. & **McCoach, D. B.** (2000, October). *Adding a level of sophistication to student research.* Workshop presented at the sixth annual conference of the New England Conference on Gifted and Talented Education, Providence.

**McCoach, D. B.** (1999, October). *College counseling and the gifted.* Workshop presented at the fifth annual conference of the New England Conference on Gifted and Talented Education, Killington, VT.

Siegle, D., & **McCoach, D. B.** (1999, October). *Academic challenge: Are we barking up the wrong tree?* Paper presented at the sixth annual conference of the New England Conference on Gifted and Talented Education, Killington, VT.

**McCoach, D. B.** (1999). *A preliminary report on the psychometric properties of the pilot version of the School Attitude Assessment Survey (SAAS).* A paper presented at the annual conference of the Northeastern Educational Research Association, Ellenville, New York.

### Workshops and Inservices

Siegle, D. L. & **McCoach, D. B.** (2013, June). *Understanding and addressing student achievement.* Keynote Address. Opportunities for the Future Parent Conference. Center for Talent Development, Northwestern University.

Siegle, D. L. & **McCoach, D. B.** (2013, June). *Unpacking traits of achievers.* Workshop. Opportunities for the Future Parent Conference. Center for Talent Development, Northwestern University.

**McCoach, D. B.** (2012-2013). *DATIC structural equation modeling workshop.* Weeklong workshop on SEM at University of Connecticut.

**McCoach, D. B.** & O'Connell, A. A. (2004-2013). *DATIC hierarchical linear modeling workshop.* Weeklong workshop on HLM at University of Connecticut.

Kenny, D. A. & **McCoach, D. B.** (2011). *DATIC structural equation modeling workshop.* Weeklong workshop on SEM at University of Connecticut.

**McCoach, D. B.** (2009, June). *Hierarchical linear modeling using HLM.* Week-long workshop at Yale University, New Haven, CT.

**McCoach, D. B.** & Adelson, J. A. (2009, January). *Hierarchical linear modeling: A gentle introduction.* Psychology Department, Southern Connecticut State University. New Haven, CT.

**McCoach, D. B.** & Adelson, J. A. (2008, November). *Hierarchical linear modeling: A gentle introduction.* Pre-conference workshop. National Association of Gifted Children annual conference. Tampa, FL.

O'Connell, A. A. & **McCoach, D. B.** (2007, Spring). *Hierarchical linear modeling using HLM.* The College Board, New York, NY. Conducted a series of five on-site training workshops in Multilevel Modeling for research staff of the College Board.

O'Connell, A. A. & **McCoach, D. B.** (2006, October). *Hierarchical linear modeling.* Northeastern Educational Research Association (NERA). October, 2006. Four-hour Mini-course in Hierarchical Linear Modeling.

**McCoach, D. B.** (2006, March). *Understanding underachievement.* Pennsylvania Department of Education Conference. Hershey, PA.

- McCoach, D. B.** (2004, October). *Understanding bright students who underachieve*. Chester County Intermediate Unit Regional Gifted Conference.
- McCoach, D. B.** (2004, October). *Is this because she's gifted? Gifted children with emotional and psychological issues*. Chester County Intermediate Unit Regional Gifted Conference.
- McCoach, D. B.** (2004, October). *Overview of the goal valuation intervention*. San Diego County School District. San Diego, CA.
- Siegle, D., & **McCoach, D. B.** (2004, April). *Myths and realities in gifted education*. Opening keynote address presented at the 2004 Wings conference, Basel, Switzerland.
- Siegle, D. & **McCoach, D. B.** (2004, April). *The schoolwide enrichment model*. 2002 Wings conference: Basel, Switzerland. Four-day invited workshop for teachers presented at the 2004 Wings conference, Basel, Switzerland.
- Siegle, D., & **McCoach, D. B.** (2004, April). *The achievement orientation model*. Three-hour invited workshop presented at the 2004 Wings conference, Basel, Switzerland.
- Siegle, D. & **McCoach, D. B.** (2003, March). *Underachievement in gifted children*. Davidson Institute Online Parent Seminar.
- 1999-2002- Ongoing educational consultant to the Malden School District, MA.
- Siegle, D., & **McCoach, D. B.** (2002, October). *The schoolwide enrichment model*. 4 day workshop at the Wings 2002 conference in Basel, Switzerland.
- McCoach, D. B.** (2002, October). *Is this because (s)he's gifted? Gifted children with psychological issues*. Presentation at the Wings 2002 conference in Basel, Switzerland.
- August 2001- Two day inservice program. Presented *Social emotional needs and talent development*, Edinburg High School, Edinburg, TX.
- August 2000- Week-long inservice on gifted education for American teachers at the American Creativity Academy, Kuwait.
- Siegle, D. & **McCoach, D. B.** (2002, October). *The schoolwide enrichment model*. 2002 Wings conference: Basel, Switzerland. Four-day invited workshop for teachers presented at the 2002 Wings conference, Basel, Switzerland.
- McCoach, D. B.** (2002, October). *Is this because (s)he's gifted?* Three-hour invited workshop presented at the 2002 Wings conference, Basel, Switzerland.
- McCoach, D. B.** (2000, July). *The identification of students for gifted programs*. Montana Institute on Gifted Education. Missoula, MT. One-week educational workshop for teachers and administrators.
- McCoach, D. B.** & Siegle, D. (2000, July). *The underachievement of gifted students*. Montana Institute on Gifted Education. Missoula, MT. One-week educational workshop for teachers and administrators.
- McCoach, D. B.** (2000, July). *College and career counseling high ability high school students*. Montana Institute on Gifted Education. Missoula, MT. One hour special topic for teachers, parents, and counselors.
- McCoach, D. B.** (1999, July). *What teachers and counselors need to know about standardized tests*. Edufest '99, Boise, ID. One-week educational workshop for teachers and administrators.
- McCoach, D. B.** (1999, July). *College and career counseling for gifted high school students*. Edufest '99, Boise, ID. One and one half hour "open forum" workshop for teachers, parents, and counselors.
- Siegle, D. and **McCoach, D. B.** (1999, July). *Looking for data: Hands-on research with students*. Edufest '99. One-week teacher training workshop.
- McCoach, D. B.** (1999, July). *What teachers need to know about tests and measurements*. Confratute, Storrs, CT. One-week introductory workshop for teachers and administrators.

- McCoach, D. B.** (1999, July). *College and career counseling high ability high school students*. Confratute, Storrs, CT. One-and one half hour “open forum” workshop for teachers, parents, and counselors.
- McCoach, D. B.** (1999, July). *So, what do these test scores mean?* Confratute, Storrs, CT. Two hour “action lab” workshop on tests and measurements for parents, teachers, and counselors.
- McCoach, D. B.** (1999, July). *The underachievement of gifted adolescents*. Confratute, Storrs, CT. Two hour “action lab” workshop for teachers, parents, and counselors.
- McCoach, D. B.** (1999, April). *Differentiating instruction to meet the needs of heterogeneous learners in the high school classroom*. 6 hour teacher inservice. Newburyport Public Schools, Newburyport, MA.
- Siegle, D. and **McCoach, D. B.** (1999, February). *Conducting authentic research with secondary students*. Winter Edufest, Couer d’Alene, ID. 3-day teacher training workshop.
- McCoach, D. B.** (1997, August). *Differentiating instruction to meet the needs of high-end learners in the secondary classroom*. Three hour inservice presentations, East Penn School District, Emmaus, PA.
- McCoach, D. B.** (1996, August). *Curriculum differentiation for high end learning- Secondary*. Three hour district inservice presentation, East Penn School District.
- McCoach, D. B.** (1995, November). *Strategies to meet the needs of high end learners- Secondary*, One hour district in-service presentation, East Penn School District.

### **Editorships, Peer Review Journals**

Editor, *Gifted Child Quarterly* (2012-2017)

Editor, *Journal of Advanced Academics* (2006-2011)

Associate Editor, *Frontiers in Quantitative Psychology and Measurement* (2009-2014)

### **Editorships, Book Series**

Series co-Editor, *Quantitative Toolkit Series*, Sage Publications

### **Editorial Review Boards, Peer Review Journals**

*Advances in Methods and Practices in Psychological Sciences*, 2019-2021

*American Educational Research Journal*, 2007-2010

*Gifted Child Quarterly*, 2004-present

*Journal for the Education of the Gifted*, 2019-present

*Journal of Educational Psychology*, 2007-2011

*Journal of Educational Research*, 2006-2012

*Journal of Primary Prevention*, 2006-2015

*Review of Educational Research*, 2012-2016

### **Other Editorial Experience, Peer Review Journals**

Ad hoc reviewer for *American Educational Research Journal*

Ad hoc reviewer for *AERA Open*

Ad hoc reviewer for *The British Journal of Educational Psychology*

Ad hoc reviewer for *Contemporary Educational Psychology*

Ad hoc reviewer for *Educational and Psychological Measurement*

Ad hoc reviewer for *Educational Evaluation and Policy Analysis*

Ad hoc reviewer for *Educational Policy*

Ad hoc reviewer for *Exceptional Children*  
Ad hoc reviewer for *Journal of Educational Psychology*  
Ad hoc reviewer for *Journal of Educational and Behavioral Statistics*  
Ad hoc reviewer for *Methodology*  
Ad hoc reviewer for *Multivariate Behavioral Research*  
Ad hoc reviewer for *Psychology in the Schools*  
Ad hoc reviewer for *Psychological Methods*  
Ad hoc reviewer for *Roeper Review*  
Ad hoc reviewer for *School Psychology Quarterly*  
Ad hoc reviewer for *School Psychology Review*  
Ad hoc reviewer for *Sociological Methods and Research*  
Ad hoc reviewer for *Structural Equation Modeling*

### **Grant Review Panels**

Standing Member of the IES Review Panel, Statistics and Research Methodology in Education, 2019-2022

Member of the IES Review Panel, Statistics and Research Methodology in Education, 2017

Standing member of the IES Review Panel, Reading, Writing, and Language Development Panel, 2012-2016.

Member, IES Review Panel, Reading, Writing, and Language Development Panel, 2011-2012.

### **Major Advisees graduated, Ph.D.**

Jill Adelson  
Anne Black  
Dakota Cintron  
Jessica Flake  
Anthony Gambino  
Janice Kooken  
Sarah Newton  
Karen Rambo-Hernandez  
Graham Rifenbark  
Hui Hui Yu  
Kate Zhao

### **Current Major Advisees, Ph.D.**

Brittney Hernandez  
Katie Lane  
Briana Oshiro  
Joselyn Perez  
Pamela Peters (co-advisor)  
Kirsten Reyna  
Jennifer Richardson  
Amit Savkar  
Alexandra Stone (co-advisor)

I have also served as associate advisor on dozens of doctoral committees in the departments of Educational Psychology, Psychology, Curriculum and Instruction, and Educational Leadership, at the University of Connecticut.

### University Teaching Experience

EPSY 5605	Introduction to Quantitative Analysis I
EPSY 4010	Assessment, 2 credit undergraduate-level course
EPSY 5607	Introduction to Quantitative Analysis II
EPSY 5621	Construction of Evaluation Instruments
EPSY 6611	Hierarchical Linear Modeling
EPSY 6615	Structural Equation Modeling
EPSY 6651	Introduction to Causal Inference with Educational Data
EPSY 6619	Advances in Latent Variable Modeling
EPSY 6601	Methods and Techniques of Educational Research
EPSY 6636	Measurement Theory and Applications
EPSY 6194	Seminar: Introduction to Data Science
EPSY 5195	Stata and Data (1 credit graduate course)
PSYC 5170	Current Topics in Psychology (1 credit graduate class)
EPSY 252	Assessment I, 1 credit undergraduate-level course
EPSY 300	Critical Issues in Gifted Education, 3 credit graduate-level online course
EPSY 384	Seminar in Gifted Education, 3 credit graduate-level online course
PSYC 349	Causal Modeling in Social Psychology

### National and Regional Service

Research Methods Section Chair, SREE 2021 Conference  
 Massachusetts State Gifted Advisory Council, 2020-present  
 Program Chair, *Research on Giftedness and Talent SIG*, AERA, 2018-2021.  
 Program Chair/Chair, *Structural Equation Modeling SIG*, AERA, 2014-2015.  
 Chair, *Research on Giftedness and Talent SIG*, AERA, 2012-2014.  
 Program Chair elect, *Structural Equation Modeling SIG*, AERA, 2013-2014.  
 Chair, *Educational Statisticians SIG*, AERA, 2013-2014.  
 Program Chair, *Educational Statisticians SIG*, AERA, 2012-2013.  
 Publications Committee, *National Association of Gifted Children*, 2012-2017.  
 Chair and program chair, *Modern Modeling Methods Conference*, May 2013.  
 Chair and program chair, *Modern Modeling Methods Conference*, May 2012.  
 Chair and program chair, *Modern Modeling Methods Conference*, May 2011.  
 Chair, *Research and Evaluation Network*, NAGC, 2010-2012  
 Member at Large, *Educational Statisticians SIG*, AERA, 2010-2012  
 Chair Elect, *Research on Giftedness and Talent SIG*, AERA, 2010-2012  
 Program Chair, *Research on Giftedness and Talent SIG*, AERA, 2009-2010  
 Asst. Program Chair, *Research on Giftedness and Talent SIG*, AERA, 2008-2009  
 Chair-Elect, *Research and Evaluation Division*, NAGC, 2008-2010  
 Chair and Program Chair, *Hierarchical Linear Modeling SIG*, AERA, 2006-2007  
 Webmaster, *Research on Giftedness SIG*, AERA, 2006-2008  
 Awards Committee, *National Association of Gifted Children*, 2006-2009  
 NERA Distinguished Paper Awards Committee, *Northeastern Educational Research Association (NERA)*, 2007-2008

Program Chair, *Research and Evaluation Division*, NAGC, 2003-2004  
 Executive Committee, *AERA Research on Giftedness and Talent SIG*, 2002-2006  
 Graduate Student Committee, *National Association of Gifted Children*, 2001-2003  
 Editor, Graduate Student Newsletter, *National Association of Gifted Children*, 2002-2003  
 Assistant Program Chair, *Research and Evaluation Division*, NAGC, 2002-2003  
 Membership Chair, *Research and Evaluation Division*, NAGC, 2002-2005  
 Division C Graduate Student Representative to the AERA Graduate Student Council, 2001-2003  
 Proposal Reviewer, *AERA Annual Conference*, 2001-present  
 Proposal Reviewer, *APA Annual Conference*, 2005-present  
 Proposal Reviewer, *NAGC Annual Conference*, 2001-present  
 Guest Panelist in the *Parenting for High Potential Parenting Forum*, December 2001

### **University Service**

Data Science Steering Committee Member, 2021-2022  
 Member, Academic Director of Data Science Search Committee, 2021-2022  
 Member, University Committee on Centers and Institutes, 2021-2022  
 Executive Committee, Graduate Faculty Council, 2019-2022  
 Graduate Faculty Council, 2015-2022  
 Member, Faculty Standards Committee, 2020-2022  
 Faculty Senate, At Large Member, 2020-2022  
     Chair, BOT Distinguished Professor Working Group, 2021  
     Member, Teaching Evaluation Working Group, 2021  
 Chair, Online Program Committee, 2019-2020  
 Member, UCONN Data Science Committee, 2019-2020  
 Chair, Search Committee for Director of Assessment, CETL, 2018  
 Chair, Search Committee, Assistant Vice Provost for Office of Institutional Research and Effectiveness, 2015-2016.

### **School and Departmental Service**

Chair, RMME Search Committee, EPSY, 2020-2021  
 Member, EPSY Salary Savings Task Force, 2020-2022  
 Member, Neag Faculty Council, 2020-2022  
 Member, Doctoral Studies Committee, 2019-2022  
 Chair, Neag Faculty Council, 2019-2020  
 Chair, School Counseling Search Committee, 2019  
 Member, EPSY Departmental PTR Committee, 2019-2021  
 Developer, Online Master's Program in Research Methods, Measurement, and Evaluation, 2018-2019  
 Chair, Doctoral Studies Committee, Neag School of Education, 2018-2019  
 Coordinator of Graduate Education, Educational Psychology Department, 2017-2019  
 Dean's Search Committee, Neag School of Education, 2015-2016  
 Department Chair Search Committee, 2015-2016  
 Teacher Education Curriculum Redesign Steering Committee, 2015  
 Proposal review committee, Provost's Internal Grant Competition, 2015  
 School of Education Promotion and Tenure Review Committee, 2014-2016  
 MEA Search Committee, Educational Psychology Department, 2014-2015.

University Strategic Advisory Team, Big Data, 2013.  
 Dean's Advisory Committee (elected). Neag School of Education, 2013-2014.  
 Educational Psychology Departmental Merit Committee, 2013-2015.  
 MEA Search Committee, Educational Psychology Department, 2013-2014.  
 Search Committee, Assistant Vice Provost for Office of Institutional Research and Effectiveness, 2012-2013.  
 MEA Search Committee, Educational Psychology Department, 2012-2013.  
*Merit Committee*, Educational Psychology Department, 2011-2012.  
 MEA Search Committee, Educational Psychology Department, 2011-2012.  
 Presenter, Institute for Teaching and Learning Winter Institute on Assessment, *Norm Referenced vs. Criterion Referenced Assessment*, January 2011.  
*Merit Procedures Committee*, Educational Psychology Department, 2010-2011.  
 MEA Search Committee, Educational Psychology Department, 2010-2011.  
*Mentoring Committee*, Neag School of Education, 2009-2010.  
*Curriculum and Courses Committee*, Neag School of Education, 2009-2012  
 Co-conference Chair, *Closing the Achievement Gap Conference*, May 2008  
 MEA Search Committee, Educational Psychology Department, 2007-2008.  
 Co-conference Chair, *Closing the Achievement Gap Conference*, May 2007  
 Founder and Co-conference Chair, *Closing the Achievement Gap Conference*, June 2006  
 Search Committee, Director of Assessment, School of Education, 2005-2006  
 TNE Assessment Committee, University-wide Committee, 2004-present  
 TNE Database manager search committee, University-wide Committee, 2004  
 IBM Research Working Group, School of Education, 2004-2005, 20007  
 Dissertation Proposal Guidelines Committee, Educational Psychology Department, 2004-2005  
 Special Education Search Committee, Educational Psychology Department, 2004-2005  
 Vice President, Neag Graduate Student Association, 2001-2002.

### **Methodological consultancies and Technical Advisory Boards**

**Technical Advisory Board**, Educational Records Bureau (ERB), 2017-present.  
**Consultant**, EDC, 2015-2016 - Provided consultation on conducting analyses of mixture modeling and interpreting the results.  
**Consultant**, College Board, 2010-2013- Provided consultation on running and interpreting multilevel analyses.  
**Consultant**, Bristol School District- Provided growth curve analyses using District CMT scores from 2006-2009, 2010.  
**External Evaluator**, PEAC, Kinsella School, Hartford School District- Provided an external evaluation of PEAC, Kinsella's after school literacy program, 2006.  
**External Evaluator**, Stamford School District AVID program- provided quantitative analyses to evaluate the effectiveness of AVID, 2005-2006.

### **Membership**

American Educational Research Association  
 Division D  
 Educational Statisticians SIG  
 Hierarchical Linear Modeling SIG  
 Research on Giftedness, Creativity, and Talent Development SIG



Structural Equation Modeling SIG  
American Psychological Association, Fellow, Division 5 (elected 2014)  
Member, Divisions 5 and 15  
American Statistical Association  
National Association of Gifted Children  
Research and Evaluation Network  
National Council for Measurement in Education (NCME)  
Society for Research on Educational Effectiveness (SREE)