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Education

- 2003 Ph.D. in Educational Psychology, University of Connecticut, Storrs, CT
- 2002 Sixth year certificate in School Psychology, University of Connecticut, Storrs, CT
- 2001 M. A. in Education 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

Areas of interest in quantitative research methods

Multilevel modeling, instrument development, measures of model fit, structural equation modeling, factor analysis, growth curve modeling, and longitudinal analysis

Awards

- 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 Award Recipient, University of Connecticut
1987-1991 Eugene Du Pont Distinguished Scholar, University of Delaware
1987 National Merit Scholar

Professional Experience

- 2008-present *Associate Professor*, Educational Psychology Department, University of Connecticut. Responsibilities include teaching graduate level courses in statistics, research methods, and instrument design. (*Beginning August 2008*)
2004-2008 *Assistant Professor*, Educational Psychology Department, University of Connecticut. Responsibilities include teaching graduate level courses in statistics, research methods, and instrument design.
2004-present *Instructor*, DATIC, Workshop on Hierarchical Linear Modeling, with A. A. O’Connell. Week-long summer multilevel modeling workshop as part of the *Data Analysis and Training Institute at Connecticut (DATIC)*.
2003-2004 *Assistant Professor in Residence*, Educational Psychology Department, University of Connecticut. Responsibilities include teaching graduate level courses in statistics, measurement, and instrument design.
2003-present National Research Center on the Gifted and Talented (NRCGT), University of Connecticut, Storrs. Research Scientist: Collaborator on funded NRCGT research projects.
2002-2003 School psychology intern, Mansfield Middle School, .6 position
Spring 2002 Teaching Assistant, EPSY 313- *Quantitative Methods in Educational Research II*
Spring 2001 Research Assistant for David A. Kenny, Professor of Social Psychology, Psychology Department, University of Connecticut.
2000-present Independent statistical consultant specializing in multilevel modeling, instrument design, confirmatory factor analysis and structural equation modeling- clients include *College Board, EDC, and Leadership Research Institute*.
1999-2005 Independent educational consultant specializing in gifted education and differentiation of instruction to meet the needs of diverse learners.
1999-2002, 2004 Co-program coordinator for UCONN Mentor Connection, a summer residential program for talented teens.
1998-2002 Research Assistant, National Research Center on the Gifted and Talented, Department of Gifted and Talented Education, University of Connecticut. Responsibilities included research design, instrument development and validation, data analysis, proposal writing, developing an intervention, and other research duties for the current study of gifted underachievers.
1995-1998 Secondary Gifted Specialist, East Penn School District
1995, July Teacher, 3 week transitional summer program for at risk students entering high school, Bethlehem Area School District
1994-1995 Teacher of the Gifted, Northeast Middle School, Bethlehem, PA, .5 position
1993-1994 English language assistant- conversation, Lycee Gaston Berger and Ecole Madame Roland, Lille, France.

University Teaching Experience

EPSY 309	Introduction to Quantitative Analysis I
EPSY 313	Introduction to Quantitative Analysis II
EPSY 344	Construction of Evaluation Instruments
EPSY 440	Hierarchical Linear Modeling
EPSY 441	Methods and Techniques of Educational Research
EPSY 436	Measurement Theory and Applications
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

Grants

2006-2011	Methodologist, <i>National Research Center on the Gifted and Talented Center</i> , 25% of academic year salary.
2007-2011	Methodologist, <i>Content Based Vocabulary Instruction: Using Cognates to Promote the Vocabulary Development and Reading Comprehension of Native Spanish Speaking Adolescents</i> . U.S. Dept of Education IES grant awarded to CAL and Liz Howard, University of Connecticut.
2006	Co-Principal Investigator, University of Connecticut, Large Faculty Research Grant, \$15,000. <i>Structure and Function of Collective Self-Efficacy</i> . With Robert Colbert.
2006-2010	Measurement and methodology specialist, <i>Project IVI: Intensifying Vocabulary Intervention for Kindergarten Students at Risk of Learning Disabilities</i> . U. S. Department of Education, Institute of Education Sciences, Language and Vocabulary Development – Special Education Research grant awarded to Dr. Michael Coyne (PI), University of Connecticut- 10% of academic year salary.
2006-2008	Methodologist, <i>The Schoolwide Enrichment Reading Study</i> . U. S. Department of Education IES Javits Grant awarded to Dr. Sally Reis (PI), University of Connecticut.
2003-2006	Measurement and methodology specialist, <i>VITAL: Vocabulary Intervention Targeting At-risk Learners</i> . U.S. Dept of Education IES Reading Comprehension grant awarded to Dr. Michael Coyne (PI), University of Connecticut- 25% of academic year salary.
2005	Principal Investigator, University of Connecticut, Small Faculty Research Grant, \$1,000. Factor Analysis of Sternberg's <i>Thinking Style Inventory</i> . With Anne Black.
2002-2003	<i>AERA Dissertation Research Grant</i> , \$15,000.

Contracts

2007	<i>Principal Investigator</i> , Subcontract. AERA Research Grant awarded to Jeff Anderson, Indiana University. \$5,000 Contract.
2005-2007	<i>Co-Principal Investigator</i> . Evaluation of Idaho Mentoring Program, State Department of Idaho. \$10,000 Contract.
2005	<i>Senior Data Analyst</i> , 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	<i>Co-Principal Investigator</i> . External Evaluation of Project Opening Doors Grant, State Department of Connecticut and EASTCONN. \$90,000 Contract. 10% of academic year salary.

Peer reviewed journal articles

- Black, A. C., & **McCoach, D. B.** (in press). Validity Study of the MSG Thinking Styles Inventory. *Journal for the Education of the Gifted*.
- Chafouleas, S. M., Briesch, A. M., Riley-Tillman, T.C., & **McCoach, D. B.** (in press). *Moving beyond assessment of treatment acceptability: An examination of the factor structure of the Using Rating Profile- Intervention (URP-I)*.
- Coyne, M. D., **McCoach, D. B.**, Loftus, S., Zipoli, R., & Kapp, S. (in press). *Direct Vocabulary Instruction in Kindergarten: Teaching for Breadth vs. Depth*.
- Matthews, M. S., Gentry, M., **McCoach, D. B.**, Worrell, F. C., Matthews, D., & Dixon, F. (in press). Evaluating the State of a Field: Effect Size Reporting in Gifted Education, 1996 – 2005. *Journal of Experimental Education*.
- Artino, A. R. & **McCoach, D. B.** (2008). Development and Initial Validation of the Online Learning Value and Self-Efficacy Scale. *Journal of Educational Computing Research*, 38, 379-403.
- Black, A. C., Little, C. A., **McCoach, D. B.**, Purcell, J., & Siegle, D. (2008). Advancement Via Individual Determination (AVID): The Role of Method Selection in Conclusions about Program Effectiveness. *Journal of Educational Research*, 102, 111-123.
- Li, C., **McCoach, D. B.**, Swaminathan, H., & Tang, J. (2008). Measuring perspectives of engineering education among college students. *Journal of Engineering Education*, 97, 47-56.
- Reis, S. M., M., Eckert, R., **McCoach, D. B.**, Jacobs, J., & Coyne, M. (2008). Using Enrichment Reading Practices to Increase Reading Fluency, Comprehension, and Attitudes. *Journal of Educational Research*, 101, 299-314.
- McCoach, D. B.**, & Siegle (2007). What predicts teachers' attitudes toward the gifted? *Gifted Child Quarterly*, 51, 246-255.
- McCoach, D. B.**, Black, A. C., & O'Connell, A. A. (2007). Errors of inference in structural equation modeling. *Psychology in the Schools*, 44, 461-470.
- Reis, S. M., **McCoach, D. B.**, Coyne, M., Schreiber, R., Eckert, R., & Gubbins, E. J. (2007). Using Planned Enrichment Strategies with Direct instruction to Improve Reading Fluency and Comprehension: An Evidence-Based Study. *Elementary School Journal*, 108, 1-21.
- Siegle, D., & **McCoach, D. B.** (2007). Influencing Student Mathematics Self-Efficacy Through Teacher Training. *Journal of Advanced Academics*, 18, 278-312.
- Baslanti, U. & **McCoach, D. B.** (2006). Factors affecting the underachievement of gifted students. *Roeper Review*, 28, 210-215.
- McCoach, D. B.**, O'Connell, A. A., & Levitt, H. (2006). The effects of ability grouping in kindergarten reading using the ECLS-K. *Journal of Educational Research*, 99, 339-345.
- McCoach, D. B.**, O'Connell, A. A., Reis, S. M., & Levitt, H. (2006). Growing readers: A hierarchical linear model of children's reading growth over the first two years of school. *Journal of Educational Psychology*, 98, 14-28.
- Ruban, L. M., & **McCoach, D. B.** (2005). Gender differences in explaining grades using structural equation modeling. *The Review of Higher Education*, 28, 475-502.
- Siegle, D., & **McCoach, D. B.** (2005). Making a Difference: Motivating Gifted Students Who Are Not Achieving. *Teaching Exceptional Children*, 38(1), 22-27.
- Kehle, T. J., Bray, M. A., Theodore, L. A., Zhou, Z., & **McCoach, D. B.** (2004). Emotional disturbance/social maladjustment: Why is the incidence increasing? *Psychology in the Schools*, 41, 861-865.
- O'Connell, A. A., & **McCoach, D. B.** (2004). Applications of Hierarchical Linear Modeling for

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Evaluations of Health Interventions: Demystifying the Methods and Interpretations of Multilevel Models. *Evaluation in the Health Professions*, 27, 119-151.

McCoach, D. B. (2003). SEM isn't just the Schoolwide Enrichment Model anymore: Structural Equation Modeling (SEM) in gifted education. *Journal for the Education of the Gifted*, 27, 36-61.

Kenny, D. A. & **McCoach, D. B.** (2003). Effect of the number of variables on measures of fit in Structural Equation Modeling. *Structural Equation Modeling*, 10, 333-351.

McCoach, D. B., & Siegle, D. (2003). Factors that differentiate underachieving gifted students from high achieving gifted students. *Gifted Child Quarterly*, 47, 144-154.

McCoach, D. B. & Siegle, D. (2003). The SAAS-R: A new instrument to identify academically able students who underachieve. *Educational and Psychological Measurement*, 63, 414-429.

McCoach, D. B. & Siegle, D. (2003). The structure and function of academic self-concept in gifted and general education samples. *Roeper Review*, 25, 61-65.

Ruban, L. & **McCoach, D. B.**, McGuire, J., & Reis, S. M. (2003). Differences in study practices and academic achievement among college students with and without learning disabilities. *Journal of Learning Disabilities*, 36, 270-286.

McCoach, D. B. (2002). A validity study of the School Attitude Assessment Survey (SAAS). *Measurement and Evaluation in Counseling and Development*, 35, 66-77.

McCoach, D. B. (2002). Using the web to provide social studies enrichment. *Gifted Child Today*, 25(3), 48-52.

Reis, S. M., & **McCoach, D. B.** (2002). Underachievement in gifted and talented students with special needs. *Exceptionality*, 10 (2), 113-125.

McCoach, D. B., Kehle, T. K., Bray, M., & Siegle, D. (2001). Best practices in the identification of gifted students with learning disabilities. *Psychology in the Schools*, 38, 403-411.

McCoach, D. B., & Siegle, D. (2001). A comparison of high achievers' and low achievers' attitudes, perceptions, and motivations. *Academic Exchange Quarterly*, 5(2) 71-76.

Reis, S. M., & **McCoach, D. B.** (2000). The underachievement of gifted students: What do we know and where do we go? *Gifted Child Quarterly*, 44, 158-170.

Journal articles in review

Adelson, J., & **McCoach, D. B.** (in review). *Measuring the mathematical attitudes of elementary students: The effects of a 4-point or 5-point Likert scale.*

Adelson, J., & **McCoach, D. B.** (in review). *Development and psychometric properties of the Math and Me Survey: Measuring third through sixth graders' attitudes towards mathematics.*

Adelson, J., **McCoach, D. B.**, Rogers, H. J., & Adelson, J. (in review). *Using the propensity score to make causal inferences: Variable selection and stratification issues.*

Bell, C. A., Wilson, S., Higgins, T., & **McCoach, D. B.** (in revision). *Measuring the effects of professional development: The case of developing mathematical ideas.*

Colbert, R. D., & **McCoach, D. B.** (in review). *The Structure and Function of Collective Teacher Efficacy.*

Garcia-Cepero, M. C., & **McCoach, D. B.** (in review). *Educators' implicit theories of intelligence and beliefs about the identification of gifted students.*

Picho, K., Katrichis, J. M., & **McCoach, D. B.** (in review). *Developing and validating the Females in Mathematics Scale (FIMS).*

Editorships, Peer Review Journals

Co-Editor, *Journal of Advanced Academics*, (2006-present)

Editorial Review Boards, Peer Review Journals

American Educational Research Journal, Section on Teaching and Learning, 2007-2009
Gifted Child Quarterly, 2004-present
Journal of Educational Psychology, 2007-present
Journal of Educational Research, 2006-present
Journal of Primary Prevention, 2006-present

Other Editorial Experience, Peer Review Journals

Ad hoc reviewer for *American Educational Research Journal*, 2006, 2007
Ad hoc reviewer for *The British Journal of Educational Psychology*, 2003
Ad hoc reviewer for *Contemporary Educational Psychology*, 2003, 2005
Ad hoc reviewer for *Educational Policy*, 2005
Ad hoc reviewer for *Gifted Child Quarterly*, 2003, 2004
Ad hoc reviewer for *Gifted Child Today*, 2005, 2006
Ad hoc reviewer for *Journal of Educational Psychology*, 2005, 2006
Ad hoc reviewer for *Journal of Secondary Gifted Education*, 2004, 2005
Ad hoc reviewer for *Psychology in the Schools*, 2005, 2006
Ad hoc reviewer for *Psychological Methods*, 2008
Ad hoc reviewer for *Roeper Review*, 2001, 2003, 2004, 2005
Ad hoc reviewer for *School Psychology Quarterly*, 2003, 2004, 2005
Ad hoc reviewer for *School Psychology Review*, 2005, 2006
Ad hoc reviewer for *Sociological Methods and Research*, 2007

Books

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.

Book Chapters

McCoach, D. B. (in press). Hierarchical Linear Modeling. In G. R. Hancock & R. O. Mueller (Eds.) *Quantitative Methods in the Social and Behavioral Sciences: A Guide for Researchers and Reviewers*. Taylor & Francis.
McCoach, D. B. (in press). Research Methods for Gifted Studies: Comments and Future Directions. In B. Thompson, B. & R. F. Subotnik (Eds.). *Methodologies for Conducting Research on Giftedness*. Washington, DC: APA.
McCoach, D.B., & Black, A. C. (2008). Assessing Model Adequacy. In *Multilevel Modeling of Educational Data*, Ann A. O'Connell and D. Betsy McCoach (Eds.) Charlotte, NC: Information Age Publishing.
McCoach, D.B., & Siegle, D. (2008). Underachievement in Gifted Students. In *What the Research Says About ... An Encyclopedia on Research in Gifted Education*. Carolyn Callahan and Jonathan Plucker (Eds.) Prufrock Press.
O'Connell, A. A. & **McCoach, D.B.** (2008). Pedagogy and Context for Multilevel Models. In *Multilevel Modeling of Educational Data*, Ann A. O'Connell and D. Betsy McCoach (Eds.) Charlotte, NC: Information Age Publishing.
McCoach, D. B., Kehle, T. J., Bray, M. A., and Siegle, D. (2004). The identification of gifted

- students with learning disabilities: Challenges, controversies, and promising practices. In T. Newman & R. J. Sternberg (Eds.) *Students with Both Gifts and Learning Disabilities: Identification, Assessment and Outcomes*. Boston: Kluwer Academic Publishers.
- Siegle, D., & **McCoach, D. B.** (2004). Extending learning through mentorships. In F. Karnes (Ed.) *Methods and Materials for teaching gifted students (2nd edition)*. F. A. Karnes & S. M. Bean (Eds.). Waco: Prufrock Press.
- Reis, S. M., & **McCoach, D. B.** (2001). Underachievement and the gifted. In M. Neihart, S. M. Reis, N. M. Robinson, & S. M. Moon (Eds.) *Social-Emotional Needs of the Gifted: What do we know?* Waco, TX: Prufrock Press.
- Siegle, D., & **McCoach, D. B.** (2001). Promoting a Positive Achievement Attitude with Gifted and Talented Students. In M. Neihart, S. M. Reis, N. M. Robinson, & S. M. Moon (Eds.) *Social-Emotional Needs of the Gifted: What do we know?* Waco, TX: Prufrock Press.

Other publications

- 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.

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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. & 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.

National Presentations

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.

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.

Cepero-Garcia, M.C., & **McCoach, D. B.** (2006, November). *Implicit theories of intelligence and*

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- 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, June). *Teaching Vocabulary during Shared Storybook Readings: A Comparison of Embedded Instruction, Extended Instruction, and Incidental Exposure*. Poster presented at the 2006 IES Research Conference, Washington, D. C.
- 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.
- 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. (2004, December). *Teaching Vocabulary to Kindergarten Students During Shared Storybook Readings*. 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.

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- 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

D. B. McCoach

- 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 and Seminars

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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. (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

Coyne, M., **McCoach, D. B.**, Rambo, K., & Ware, S. (2008). *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). *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.

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.

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- 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

- 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

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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 inservice presentation, East Penn School District.

National and Regional Service

Program Chair Elect, *Research on Giftedness and Talent SIG*, AERA, 2008-2009

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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-present
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

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.

Membership

American Educational Research Association
Division D
Educational Statisticians SIG
Hierarchical Linear Modeling SIG
Research on Giftedness and Talent SIG
Structural Equation Modeling SIG
American Psychological Association
Divisions 5, 15, and 16
American Psychological Society
National Association of Gifted Children
Research and Evaluation Division

Specialized Training in Measurement and Statistics

APA Advanced Training Institute on Structural Equation Modeling in Longitudinal Research.

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University of Virginia. Charlottesville, VA. May 28 -June 1, 2007.
AERA Advanced Training Institute. Chicago, IL. April 13-15, 2007.
SPlus Command Line Essentials. Boston, MA, Insightful. September, 2006
Advanced SEM Workshop. Chicago, IL, Scientific Software International. September, 2006.
Spencer Quasi-experimental Research Design Workshop, Northwestern University, Evanston, IL, March 2006.
MPlus Multilevel SEM Workshop. Baltimore, MD. March, 2005.
MPlus Workshop. Alexandria, VA. November, 2004.
IRT Workshop. Chicago, IL, Scientific Software International. September, 2004.
Advanced HLM Workshop. Ann Arbor, MI. ICPSR. July, 2004.
ICPSR Summer Workshop on Quantitative Research Methods. Ann Arbor, MI. ICPSR. June 23- July 18, 2003.
HLM Workshop. Chicago, IL, Scientific Software International. August, 2002.
Longitudinal Research Institute. University of Virginia. Charlottesville, VA: June, 2002.
HLM Workshop. Chicago, IL, Scientific Software International. September, 2000.
ECLS-K Training Workshop. National Council for Educational Statistics. Washington, D.C. August 2000
National Council for Educational Statistics Fellow – participated in the week-long fellows program at NCES, May 2000
MPlus Longitudinal Data Modeling Workshop. American Educational Research Association. New Orleans, April 2000
LISREL Structural Equation Modeling and Multilevel Modeling Workshop. October 18-20, 1999. Chicago, IL, Scientific Software International.
SUDAAN Basic Training Workshop, September 15-17, 1999. College Park, MD. Research Triangle Institute.