

**J. Patrick Meyer III**  
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## Education

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**Ph.D.** University of South Carolina (2004)  
Concentration: Educational Psychology and Research (Research Track)

**M.S.** Augusta State University (1996)  
Concentration: Psychology

**B.A.** University of Georgia (1994)  
Concentration: Psychology

## Grants & Awards

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**2007 Distinguished Paper Award, South Carolina Educators for the Practical Use of Research** – Co-recipient for co-authorship of the paper *The effect of a professional development program in classroom assessment on teacher assessment skill* submitted to the annual SCEPUR conference.

**2006 AERA Division D Significant Contribution to Educational Measurement and Research Methodology** – Co-recipient for co-authorship of an article on vertically moderated standards in *Applied Measurement in Education*. This article was part of a special issue on vertically moderated standards. The award was given for the entire issue.

**NAEP Secondary Analysis Grant** – Awarded \$64,145 from the U.S. Department of Education, Institute of Education Sciences National Assessment of Educational Progress grant program. Project title: A comparison of bridging methods in the analysis of NAEP trends with new race and ethnicity subgroup definitions.

**Director of Statistical Analysis** – A 1.7 million dollar U.S. Department of Education Teacher Quality Grant was awarded to the South Carolina Department of Education. I was a co-author of the grant proposal. My responsibilities include oversight of the quantitative portion of the evaluation, which includes item analysis, item response theory scoring and equating, and applications of multilevel models.

**Educational Testing Service Harold Gulliksen Psychometric Research Fellowship**, Educational Testing Service, 2003-2004

**Educational Testing Service Summer Intern**, Educational Testing Service, 2002

**James A. Stoddard Memorial Fellowship**, USC College of Education, 2001-2002

**Outstanding Doctoral Student of the Year**, USC Department of Educational Psychology, 2002

**Psi Chi** National Honor Society in Psychology, 1995

## Work Experience

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### **Assistant Assessment Specialist and Assistant Professor of Graduate Psychology**

Center for Assessment and Research Studies, James Madison University

June 2004 to present

- Teach PSYC 605 (Research and Inferential Statistics), PSYC 814 (Performance Assessment and Generalizability Theory), PSYC 816 (Classical Test Theory and Generalizability Theory), and PSYC 825 (Professional Seminar in nonparametric statistics)
- Serve as assessment liaison for the alumni survey, Social Work oral exam, departments in Student Affairs, the Cluster One Writing Assessment, and the honor code assessment

### **ETS Gulliksen Fellow**

Summer 2003 to June 2004

- Examine bridging methods in the analysis of multiracial data
- Present research at American Educational Research Association

### **Graduate Student Manager**

Office of Program Evaluation, College of Education, University of South Carolina

August 2002 to August 2003

- Co-manage staff of 23 graduate students involved in 15 different grant evaluations; Research team leader of four program evaluations
- Manage office budget for all grants
- Statistical consultation and grant proposal writing
- Additional responsibilities include data collection, data analysis, technical documentation, web site development, and computer network management

### **Graduate Student Associate Manager**

Office of Program Evaluation, College of Education, University of South Carolina

August 2001 to August 2002

- Co-managed staff of 11 graduate students involved in nine different grant evaluations; Research team leader on three program evaluations
- Additional responsibilities included quantitative and qualitative research planning, data collection, data analysis, technical documentation, web site development, and computer network management

### **Research Assistant**

University of South Carolina

August 1999 to August 2001

- Involved in two programs evaluations. One concerned math instruction and the other regarded arts infused schools
- Responsibilities included data collection, entry, and analysis for quantitative and qualitative data. Compiled technical documentation
- Designed two websites and developed database applications for various department needs

**Psychologist III and Contract Psychologist**

Department of Juvenile Justice, Reception and Evaluation Center  
May 1997 to January 2002

- Conducted comprehensive court-ordered psychological evaluations of juveniles adjudicated delinquent in the South Carolina Family Courts
- Prepared reports to aid the courts in each child's disposition
- Other duties included coordinating psychiatric services, providing expert testimony in the family court on issues related to the evaluations, composing Medicaid reports, and periodic crisis intervention

**Mental Health Specialist**

Corrections Corporation of America, Columbia Training Center  
September 1996 to May 1997

- Provided cognitive-behavioral oriented individual and group counseling to juvenile offenders on topics of anger management, conflict resolution, and grief

**Graduate Assistant**

Psychology Department, Augusta State University  
January 1995 to June 1996

- Participated in collecting and analyzing data for several research projects
- Other responsibilities included aiding professors in the classroom, holding class in their absence, proctoring exams, aiding in computer labs, and providing clerical duties

**Research Intern**

Prevention Institute, Medical College of Georgia  
June 1995 to August 1995

- Involved in data collection and entry for longitudinal study

## Publications in Refereed Journals

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Meyer, J. P., & Setzer, J. C. (2007). *A comparison of bridging methods in the analysis of NAEP trends with the new race subgroup definitions*. Manuscript submitted for publication.

Kissel, H. L., Meyer, J. P., & Liu, X. (2007). *Successful retention of new and minority teachers: Results from SASS and TFS*. Manuscript submitted for publication.

Schneider, C. M., Meyer, J. P., Miller, B. J., & Lottridge, S. (2007). *The effect of a professional development program in classroom assessment on teacher assessment skill*. Manuscript submitted for publication.

Finch, H., Barton, K., & Meyer, J. P. (2006). *Differential item functioning for accommodated versus not accommodated students*. Manuscript submitted for publication.

Meyer, J. P., & Huynh, H. (2006). *On the use of covariates in bridging single-race and multiple-race categories*. Manuscript submitted for publication.

- Meyer, J. P. (2005). An ability and response time item characteristic surface [cover visual and narrative]. *Educational Measurement: Issues and Practices*, 24(2), 1-2.
- Liu, X., & Meyer, J. P. (2005). Teachers' perceptions of their jobs: A multilevel analysis of the Teacher Follow-up Survey 1994-95. *Teachers College Record*, 107, 985-1003.
- Huynh, H., Barton, K., Meyer, J. P., Porchea, S., & Gallant, D. (2005). Consistency and predictive nature of vertically moderated standards for South Carolina's 1999 Palmetto Achievement Challenge Tests of language arts and mathematics. *Applied Measurement in Education*, 18, 115-128.
- Meyer, J. P., Huynh, H., & Seaman, M. A. (2004). Exact small-sample differential item functioning methods for polytomous items with illustration based on an attitude survey. *Journal of Educational Measurement*, 41, 331-344.
- Huynh, H., Meyer, J. P., & Gallant, D. (2004). Comparability of student performance between regular and oral administrations for a high-stakes mathematics test. *Applied Measurement in Education*, 17, 39-57.
- Huynh, H., & Meyer, J. P. (2003). Maximum information approach to scale description for affective measures based on the Rasch model. *Journal of Applied Measurement*, 4, 101-110.

## Manuscripts in Preparation

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- Meyer, J. P. (2007). *A Rasch mixture model with item response time components: Estimation of examinee behavior and proficiency*. Manuscript in preparation.
- Seaman, M. A., & Meyer, J. P. (2007). Expanded tables of the Kruskal-Wallis H-statistic. Manuscript in preparation.

## Presentations at Professional Conferences

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- Schneider, C., Meyer, J. P., Miller, B. J., & Lottridge, S. (2007, April). *The effect of a professional development program in classroom assessment on teacher assessment skill*. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Schneider, C., Meyer, J. P., Lottridge, S., Miller, B. J., & Kaliski, P. K. (2007, April). *The effect of classroom assessment professional development on English language arts and mathematics student achievement*. Paper presented at the annual meeting of the National Council on Measurement in Education in Chicago.
- Meyer, J. P., & Setzer, J. C. (2007, April). *An explanatory item response model analysis of a diagnostic measure to facilitate classroom instruction*. Paper presented at the annual meeting of the National Council on Measurement in Education in Chicago.
- Lau, A. R., Finney, S.J. & Meyer, J. P. (2007, April). *Measuring Diversity Orientation: The Miville-Guzman Universality-Diversity Scale*. Poster presented at the annual meeting of the American Educational Research Association, Chicago, IL.

- Meyer, J. P., & Wise, S. L. (2006). *Including item response time in a distractor analysis via multivariate kernel smoothing*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Francisco.
- Meyer, J. P., & Seaman, M. A. (2006). *Expanded tables of the Kruskal-Wallis H statistic*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco.
- Finch, H., Barton, K., & Meyer, J. P. (2006). *Differential item functioning for accommodated versus not accommodated students*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Francisco.
- Kissel, H., Meyer, J. P., & Liu, X. (2006). *Successful retention of new and minority teachers: Results from SASS and TFS*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco.
- Huynh, H., Barton, K., Meyer, J. P., Porchea, S., & Gallant, D. (2004, June). *Vertically Moderated Standards for SC PACT 1999 Assessments of English Language Arts and Mathematics: A Look Back from Adjacent-Grade Student Data*. Paper presented at the 2004 CCSSO Large Scale Assessment Conference, Boston.
- Meyer, J. P., McClellan, C. M., & Huynh, H. (2004, April). *Background information methods for the analysis of mixed groups with application to multi-racial NAEP data*. Paper presented at the 2004 annual meeting of the American Educational Research Association, San Diego.
- Meyer, J. P., Kim, D. H., & Yap, C. C. (2004, April). *Tracking aggregate level attitude change with an item category map*. Paper presented at the 2004 annual meeting of the National Council on Measurement in Education, San Diego.
- Kim, D. H., Meyer, J. P., & Yap, C. C. (2004, February). *A comparison of survey analysis methods: Traditional and item category mapping analysis*. Paper presented at the 2004 meeting of the South Carolina Educators for the Practical Use of Research, Columbia, SC.
- Meyer, J. P., & Hombo, C. M. (2003, April). *The impact of multiracial response data on NAEP scores*. Paper presented at the 2003 meeting of the American Educational Research Association, Chicago.
- Huynh, H., & Meyer, J. P. (2003, April). *Decomposition of Rasch partial credit items and applications*. Paper presented at the 2003 annual meeting of the American Educational Research Association, Chicago.
- Liu, X., & Meyer, J. P. (2003, February). *Teachers' perceptions of their jobs: a multilevel analysis of the Teacher Follow-up Survey 1994-95*. Paper presented at the 2003 meeting of the South Carolina Educators for the Practical Use of Research, Columbia, SC.
- Meyer, J. P., & Yap, C. C. (2003, February). *Diagnosis and prescription in program evaluation using a maximum information approach to item mapping and scale description*. Paper presented at the 2003 meeting of the South Carolina Educators for the Practical Use of Research.
- Meyer, J. P., Huynh, H., & Seaman, M. A. (2002, April). *On the use of nonparametric statistics in DIF analysis*. Paper presented at the 2002 meeting of the South Carolina American Statistical Association, Columbia, South Carolina.

- Meyer, J. P., Huynh, H., & Seaman, M. A. (2002, February). *Differential item functioning methods based on small samples: An illustration based on attitudinal items*. Paper presented at the 2002 meeting of the South Carolina Educators for the Practical Use of Research, Columbia.
- Meyer, J. P., & Huynh, H. (2002, April). *Maximum information and fixed-probability approaches to scale description for affective measures based on the Rasch model*. Paper presented at the 2002 meeting of the American Educational Research Association, New Orleans.
- Huynh, H., Meyer, J. P., & Gallant, D. (2002, April). *On comparability of scores for accommodated and non-accommodated testings for a high school exit examination*. Paper presented at the 2002 meeting of the National Council on Measurement in Education, New Orleans.
- Huynh, H., Meyer, J. P., & Barton, K. (2000). *Technical Documentation for the 1999 Palmetto Achievement Challenge Tests of reading/English language arts and mathematics grades 3 through 8*. Columbia: Available from the South Carolina Department of Education Office of Student Assessment.
- Meyer, J. P., Fisher, S., & Johnson, R. L. (2000, February). *Aligning curriculum, instruction, and assessment in a standards-driven system: The results of a teacher support project*. Paper presented at the annual meeting of the South Carolina Educators for the Practical Use of Research, Columbia, SC.
- Meyer, J. P. (1996). The effects of dogmatism and the need for cognition on attitude polarization using gustatory stimuli. Thesis submitted in partial fulfillment of the requirements of Master of Science in Psychology at Augusta State University, Augusta, GA.
- Meyer, J. P., Blanchard, J., Hobbs, S., & Elkins, R. L. (1996, March). *Open field activity in rats selectively bred for taste aversion conditionability*. Paper presented at the annual meeting of the Southeastern Psychological Association, Norfolk, VA.
- Reeves, R. A., Weyermann, A. G., Bradley, J. M., Powell, L. R., & Meyer, J. P. (1996, March). *Having or being? Materialism, well-being and social support*. Poster session presented at the annual meeting of the Southeastern Psychological Association, Norfolk, VA.

## Service

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**Statistical Methodology Editor** – *Journal of the First-Year Experience & Students in Transition*

**Ad hoc Reviewer** – Educational Measurement: Issues and Practice; Psychometrika; Journal of Educational Measurement; Psychology and Marketing

**Conference Proposal Reviewer** – American Educational Research Association Division D, NAEP Studies SIG, and Educational Statisticians SIG; National Council on Measurement in Education

**Webmaster** – NAEP Studies SIG

## Professional Organizations

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- American Educational Research Association
- American Psychological Association
- National Council on Measurement in Education

## Computer Skills

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- Statistics: SAS, HLM, R, S-Plus, SPSS, EQS
- Item Response Theory: WINSTEPS, BILOG, PARSCALE
- General Programming Language: Java, Visual Basic, VBScript, MS SQL
- Internet Languages: HTML, Active Server Pages (ASP), CSS