

Lidia Dobria, Ph.D.
Professor, Department of Mathematics
Wilbur Wright College
Chicago, Illinois

EDUCATION

- 2011 *Ph.D., Educational Psychology*, focus in Measurement, Evaluation, Statistics, and Assessment
University of Illinois at Chicago
Dissertation: *Longitudinal Rater Modeling with Splines*
Dissertation co-chairs: Dr. George Karabatsos & Dr. Carol Myford
- 1993 *M.S., Mathematics*
University of Illinois at Chicago

TEACHING EXPERIENCE

- 2013 – Present **Wilbur Wright College**, Chicago, IL, Department of Mathematics
Full Professor
Associate Professor (2002 – 2013)
Assistant Professor (1998 – 2002)
Instructor (1995 – 1998)
- Courses taught: Introductory Statistics, Special Topics in Mathematics: Advanced Statistical Methods, Differential Equations, Calculus & Analytic Geometry, Precalculus, Algebra
- 2011 – Present **University of Illinois at Chicago**, Department of Educational Psychology
Adjunct Assistant Professor
- Courses taught: Advanced Analysis of Variance and Multiple Regression, Data and Interpretation in Educational Inquiry, Approaches to Analyzing Data (guest lecturer)
- 2007 – 2010 **University of Illinois at Chicago**, Department of Educational Psychology
Graduate Teaching Assistant
- Courses taught: Analysis of Variance in Educational Research, Special Topics in Educational Psychology: Analyzing Rating Data (co-taught with Dr. Carol Myford)

RESEARCH EXPERIENCE

- 2003 – 2006 **University of Illinois at Chicago**, Measurement, Evaluation, Statistics & Assessment (MESA) Laboratory
Graduate Research Assistant
- Provided measurement and statistical analysis services to College of Education faculty and students.
- 2002 – 2004 **Wilbur Wright College**, Chicago, IL
Research Statistician – Special Assignment
- Analyzed data and prepared reports for the Fund for the Improvement of Postsecondary Education (FIPSE) and National Endowment for Humanities (NEH) grants.
 - Assessed the reliability and validity of exit examinations for General Education courses.
 - Investigated impact of differential rater severity on student ability measures for the English Composition competency examinations.
 - Analyzed college-wide student and employee satisfaction data.
- 2001 – 2003 **American Society for Clinical Pathology**, Chicago, IL
Research Analyst, (2002 – 2003), *Measurement Consultant* (2001 – 2002)
- Reviewed quality control data for licensure and certification examination items.
 - Investigated differential item functioning for practice analysis surveys.
 - Performed rating scale, differential item functioning, and longitudinal analyses of Prospective Study survey scales (job satisfaction, job diagnostic, burnout, and career commitment).
 - Maintained database, wrote technical reports, and presented results at research conferences.
- 2001 – 2003 **University of Illinois at Chicago**, Department of Educational Psychology
Graduate Research Assistant
- Analyzed Illinois State Board of Education Social Science ISAT data; evaluated differential item functioning, and investigated the impact of local dependence on test items and person measures.
 - Wrote research reports and presented results at conferences.
- 2001 – 2004 **University of Illinois at Chicago**, Department of Occupational Therapy
Graduate Research Assistant
- Analyzed the psychometric properties of the Occupational Performance History Interview rating scales.
 - Developed diagnosis keyforms for the Occupational Performance History Interview and Occupational Self Assessment rating scales.
 - Analyzed occupational role study data for stroke and cancer patients.
 - Wrote research reports and presented findings to Occupational Therapy faculty and graduate students.

PUBLICATIONS

Talbott, E., Fleming, J., Karabatsos, G., & Dobria, L. (2011). Making sense of minority student classification into special education: School context matters. *International Journal of Special Education, 26*, 3.

Kielhofner, G., Dobria, L., Forsyth, K., & Kramer, J. (2010). The occupational self assessment: Stability and the ability to detect change over time. *OTJR: Occupation, Participation and Health, 30*(1), 23-32.

Yuen, M., Smith, E.V. Jr., Dobria, L., & Fu, Q. (2009). The study skills self-efficacy scale for use with Chinese students. *Journal of Applied Measurement, 10*(3), 266-280.

Wolfe, E.W., & Dobria, L. (2008). Applications of the multi-faceted Rasch model. In J. Osborne (Ed.), *Best practices in quantitative methods* (pp. 71-85), Thousand Oaks, CA: Sage.

Kielhofner, G., Dobria, L., Forsyth, K., & Basu, S. (2005). The construction of keyforms for obtaining instantaneous measures from the Occupational Performance History Interview rating scales. *OTJR: Occupation, Participation and Health, 25*(1), 23-32.

Blau, G., Tatum, D.S., Ward-Cook, K., Dobria, L., & McCoy, K. (2005). Testing for time-based correlates of perceived gender discrimination. *Journal of Allied Health, 34*(3), 130-137.

Blau, G., Surges-Tatum, D., McCoy, K., Dobria, L., & Ward-Cook, K. (2003). Job loss, human capital job feature, and work condition job feature as distinct job insecurity constructs. *Journal of Allied Health, 33*(1), 31-41.

PRESENTATIONS

Jiang, A., Morote, J., & Dobria, L. (2017, April). *Measuring the Impact of Rater Severity on Student Performance Measures*. Poster accepted for presentation at the Chicago Area Undergraduate Research Symposium, Chicago, IL.

Martinez, M. & Dobria, L. (2017, April). *On the Psychometric Properties of the Perceived Stress Scale*. Poster accepted for presentation at the Chicago Area Undergraduate Research Symposium, Chicago, IL.

Al Abed, A., Norlander, S. & Dobria, L. (2016, April). *An Item Response Theory Analysis of the Revised Mathematics Anxiety Scale*. Poster presented at the Chicago Area Undergraduate Research Symposium, Chicago, IL.

Dobria, L. (2012, April). *On the Multilevel Facets Model for the Analysis of Rating Data*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.

Dobria, L. (2012, April). *A semiparametric approach to modeling rater severity drift*. Paper presented at the annual meeting of the National Council of Measurement in Education, Vancouver, Canada.

PRESENTATIONS – continued

Dobria, L. (2009, April). *Monitoring rater severity drift with a longitudinal mixed-effects model*. Poster session presented at the annual Graduate Research Forum, University of Illinois at Chicago.

Dobria, L. (2008, April). *Monitoring rater performance with a hierarchical generalized linear model*. Poster session presented at the annual Graduate Research Forum, University of Illinois at Chicago.

Dobria, L., Karabatsos, G., & Myford, C. (2007, April). *Monitoring Rater Performance with a Hierarchical Generalized Linear Model*. Paper presented at the conference of the National Council of Measurement in Education, Chicago, IL.

Dobria, L. (2007, April). *Judging the judges: A hierarchical approach to modeling judge performance*. Poster session presented at the annual Graduate Research Forum, University of Illinois at Chicago, IL.

Dobria, L. (2006, January). *Measuring student competency at the completion of developmental mathematics courses*. Paper presented at the annual meeting of the Joint Mathematics Meeting, San Antonio, TX.

Dobria, L., Smith, E. V. Jr., & Myford, C. (2005, May). *Measuring the impact of rater severity drift on student ability measures*. Paper presented at the biannual meeting of the Midwest Objective Measurement Seminar, Chicago, IL.

Qiong, F., Mantak, Y., Dobria, L., & Smith, E. V. Jr. (2005, May). *Study skills self-efficacy of secondary school students in Hong Kong*. Paper presented at the biannual Midwest Objective Measurement Seminar, Chicago.

Dobria, L. (2004, December). *Monitoring sources of variability within the English writing competency examinations*. Paper presented at the biannual meeting of the Midwestern Objective Measurement Seminar, Chicago, IL.

Gans, B. & Dobria, L. (2004, November). *Assessment report on the Wright College Great Books Curriculum: Documenting a new model for raising academic skills and achievement levels of minority and non-traditional community college students*. Poster session presented at the annual FIPSE Project Directors' Meeting, Washington, D.C.

Dobria, L. (2004, May). *Measuring change over four time points*. Paper presented at the biannual meeting of the Midwestern Objective Measurement Seminar, Chicago, IL.

Dobria, L. (2002, May). *Evaluating student-teacher trust in the Chicago public school system*. Paper presented at the biannual meeting of the Midwestern Objective Measurement Seminar, Chicago, IL.

PRESENTATIONS – continued

Dobria, L. & Tatum, D. S. (2002, April). *ASCP Board of Registry prospective study: Burnout scale*. Paper presented at the Eleventh International Objective Measurement Workshop, New Orleans, LA.

Dobria, L. (2001, October). *Job diagnostic survey: Changes over time*. Paper presented at the International Conference for Objective Measurement, Chicago, IL.

TRAINING SEMINARS

Myford, C.M., & Dobria, L. (2006, August). *Analyzing rater data using the FACETS computer program*. Columbia Teachers College, New York, NY.

Myford, C.M., & Dobria, L. (2006, January). *Analyzing rater data using the FACETS computer program*. University of Illinois at Chicago.

Myford, C.M., & Dobria, L. (2005, July). *Analyzing rater data using the FACETS computer program*. University of Illinois at Chicago.

PH.D. COMMITTEES

Tara McNaughton (Ph.D. Candidate). *Rater Stability in a High-Stakes Performance Assessment: A Longitudinal Investigation*.

Maria Incrocci (Ph.D., 2015). *Assessing Potential Predictors of Rater Fit Measures*, University of Illinois at Chicago.

Heather Blackburn (Ph.D., 2013). *Comparison of parent-child interaction and teaching behaviors of Caucasian-, African-, and Hispanic-American Caregivers and their preschool children*, University of Oklahoma.

PROFESSIONAL MEMBERSHIPS

American Educational Research Association (Division D)
National Council on Measurement in Education
Mathematical Association of America

AWARDS

Golden Apple Award, Phi Theta Kappa Honor Society, Wilbur Wright College, 2013
Dean's Merit Award, University of Illinois at Chicago, 2011
2nd, 3rd, and 2nd Place, Graduate Research Forum, University of Illinois at Chicago, 2009, 2008, 2007
Graduate College Travel Award, University of Illinois at Chicago, 2002
Graduate Student Council Award, University of Illinois at Chicago, 2002