

Meng-Jia Wu

Assistant Professor
Research Methodology Program
School of Education - Loyola University Chicago

Contact Information

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Education

Ph.D., Measurement and Quantitative Methods (2006). Michigan State University
Major in statistics; minor in measurement; specialization in meta-analysis
B.S., Applied Life Science (1995), Fu-Jen Catholic University, Taipei, Taiwan
Major in children development

Employment

August 2006-present - Assistant professor, Research Methodology Program
Loyola University Chicago, Chicago IL

Teaching experience

Meta-analysis, RMTD 488
Multivariate Statistics, RMTD 483
Independent Study on Meta-analysis, ELPS 498
Introduction to Educational Statistics, RMTD 404
Introduction to Linear Models, RMTD 482
Educational Research II, RMTD 421
Advanced Educational Statistics, RMTD 481

Grant

National Science Foundation, “Methods for synthesizing regression models: The case of education production functions” (Award # 0723543) with Dr. Terri Pigott. Awarded amount: \$287,468 - 09/01/2007-08/31/2010

Publications

Mishna, F., Cook, C., Saini, M., Wu, M. & MacFadden, R. (2010). Interventions to prevent and reduce cyber abuse of youth: A systematic review. *Research on Social Work Practice*. Published online on January 11, 2010, will appear in the hardcopy journal later.

- Metzger, S. A. & Wu, M. (2008). Commercial teacher selection instruments: The validity of selecting teachers through beliefs, attitudes, and values. *Review of Educational Research*, 78(4), 921-940.
- Becker, B. & Wu, M. (2008). Generalizability and meta-analysis. In K. Ercikan & W-M. Roth (Eds.), *Generalizing from educational research: Beyond Qualitative and Quantitative Polarization* (pp. 101-116). New York, NY: Routledge.
- Pigott, T. D. & Wu, M. (2008). Methodological issues in meta-analyzing standard deviations: Comment on Bond and DePaulo. *Psychological Bulletin*, 134(4), 498-500.
- Becker, B. J. & Wu, M. (2007). The synthesis of regression slopes in meta-analysis. *Statistical Science*, 22(3), 414-429.
- Wu, M., Becker, B. J., & Netz, Y. (2007). "Effects of physical activity on psychological change in advanced age: A multivariate meta-analysis." *Journal of modern applied statistical methods*, 6(1), 2-7.
- Netz, Y., Wu, M., Becker, B. J., & Tenenbaum, G. (2005). Physical activity and psychological well-being in advanced age: A meta-analysis of intervention studies. *Psychology and Aging*, 20(2), 272-284.

Awards and Fellowships

- Course reduction*, Loyola University Chicago (Fall 2007)
- Summer research stipend*, Loyola University Chicago (Summer 2007)
- Teaching fellowship*, Department of Counseling, Educational Psychology, and Special Education, Michigan State University (2005-2006)
- Dissertation award*, the Society of Multivariate Experimental Psychology (2005)
- University graduate continuing fellowship*, Michigan State University (2002-2005)

Professional Service – External

- Reviewer*, Sociological Methodology (2010)
- Reviewer*, American Educational Research Journal-Social and Institutional Analysis section (2010)
- Reviewer*, Psychology Press - Routledge/Taylor & Francis Group (2010)
- Reviewer*, Wadsworth Publishing (2010)
- Reviewer*, Guilford Press (2009)
- Reviewer*, International Scientific Committee in Campbell Colloquium (2008 – 2009)
- Reviewer*, Journal of sport & exercise psychology (2007)
- Discussant*, symposium “Complications in meta-analysis: Four approaches to complex issues” in American Educational Research Association (April 2007)
- Methodological Reviewer*, reports contracted with Emergency Care Research Institute (2006-present)
- Methodological Referee*, protocols and reviews submitted to the Campbell Collaboration (2006-2009)
- Reviewer*, student proposals submitted to The Society of Multivariate Experimental Psychology (July 2005)
- Reviewer*, American Educational Research Association (October 2000-present)

Professional Service – Internal

Diversity committee, Member, 2010-present

Academic council, Member, 2007-2009

Technology committee, Member, 2006-2007; Chair, 2007-2008

Memberships

American Educational Research Association (AERA)

American Statistical Association (ASA)

Campbell Collaboration (C2)

Meta-analysis of Economics Research (MAER) Network

Phi Beta Delta International Honor Society

Synthesis Research Group (SRG) in Michigan State University

Presentations

Wu, M. (October 2010). *Synthesizing Subscales: Factorization vs. Regression Methods*. Paper presented at the first Joint Colloquium of the Cochrane & Campbell Collaboration, Keystone, CO.

Wu, M. (October 2010). *Synthesizing education production functions: The application of factored likelihood function*. Paper presented at the Annual colloquium of Meta-analysis of Economics Research (MAER) Network, Conway, AR.

Wu, M., & Pigott, T. (March 2008). *Methods for synthesizing the results of regression*. Paper presented at the Annual meeting of American Educational Research Association, New York City, NY.

Pigott, T. & Wu, M. (June 2007). *Using missing data techniques to synthesize regression models*. Paper presented at the Annual meeting of Society for Research Synthesis Methodology, Evanston, IL.

Wu, M., & Becker, B. J. (April 2006). *Applications of generalized least squares and factored likelihoods in synthesizing regression studies*. Paper presented at the Annual meeting of American Educational Research Association, San Francisco, CA.

Wu, M. (February 2006). *Applications of factored likelihood methods in synthesizing regression studies*. Paper presented at the sixth annual Campbell Collaboration Colloquium, Los Angeles, CA.

Wu, M. (February 2006). *An application of factored likelihood method in synthesizing regression studies*. Paper presented at the Annual meeting of Southwest Educational Research Association, Austin, TX.

Wu, M. (October 2004). *Effects of physical activity on psychological change in advanced age: A multivariate meta-analysis*. Paper presented at the Society of Multivariate Experimental Psychology, Naples, FL.

Wu, M., & Becker, B. J. (April 2004). *Synthesizing results from regression studies: What can we learn from combining results from studies using large data sets?* Paper presented at the Annual meeting of American Educational Research Association, San Diego, CA.

Pigott, T. & Wu, M. (February 2004). *What is a C2 Review Protocol?* Paper presented at the fourth annual Campbell Collaboration colloquium, Washington, DC.

- Metzger, S. A. & Wu, M. (April 2003). *Commercial teacher interviews and their problematic role as a teacher qualification*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Wu, M., Becker, B. J. & Kennedy, M. (April 2002). *Relationships of teacher qualifications and teaching quality: Conceptual issues and challenges*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.

Consulting & Training Experience

- Statistical consultant* (November 2008 to present), project title “Prevention and intervention of cyber abuse targeting children and adolescents: A systematic review to evaluate current approaches”, PI: Dr. Faye Mishna. University of Toronto
- Trainer* (May 2008), workshop on calculating effect sizes in meta-analysis. Annual meeting of the Campbell Colloquium. Vancouver, British Columbia
- Statistical consultant* (September 2007-present), project title “The recurrence of child maltreatment: Predictive validity of risk assessment instruments”, PI: Dr. Aron Shlonsky. University of Toronto
- Statistical consultant* (July 2007-February 2008), project title “The structure of the metabolic syndrome: A confirmatory meta-analytic factor analysis”, PI: Dr. Manel Pladevall. Henry Ford Hospital, MI
- Statistical consultant* (2004), project title “What Makes the Difference? A Practical Analysis of Research on the Effectiveness of Distance Education.” PI: Young Zhao. Paper is published on *Teachers College Record* 107(8): 1836-1884
- Statistical consultant* (March 2004-December 2004), project title “Peer-assisted learning in math and science: A meta-analysis project”. What Works Clearinghouse (WWC). American Institutes for Research (AIR), Washington, DC
- Trainer* (December 2003), training session on “Computing effect sizes in meta-analysis”. What Works Clearinghouse (WWC), Washington, DC