

Ken A. Fujimoto

PROGRAM: Research Methodology
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Education

AUGUST 2014	Doctor of Philosophy Measurement, Evaluation, Statistics, and Assessment Department of Educational Psychology UNIVERSITY OF ILLINOIS AT CHICAGO
DECEMBER 2004	Master of Fine Arts Creative Writing–Fiction Department of English UNIVERSITY OF ARIZONA
MAY 1997	Bachelor of Arts Department of Psychology CALIFORNIA STATE UNIVERSITY LONG BEACH

Employment

FALL 2014 – PRESENT	Assistant Professor Research Methodology Program School of Education LOYOLA UNIVERSITY CHICAGO
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Journal Publications

22. **Fujimoto, K. A.** (in press). A more flexible multilevel bifactor item response theory model. *Journal of Educational Measurement*.
21. Neugebauer, S. R., & **Fujimoto, K. A.** (2019). Distinct and overlapping dimensions of reading motivation in commonly used measures in schools. *Assessment for Effective Intervention*. Advance online publication.
20. **Fujimoto, K. A.** (2019). The Bayesian multilevel trifactor item response theory model. *Educational and Psychological Measurement*, 79(3), 462–494.
19. **Fujimoto, K. A.** (2018). Bayesian multilevel multidimensional item response theory model for locally dependent data. *British Journal of Mathematical and Statistical Psychology*, 71(3), 536–560.

18. **Fujimoto, K. A.**, Gordon, R. A., Peng, F., & Hofer, K. G. (2018). Examining the category functioning of the ECERS-R across eight data sets. *AERA Open*, *4*(1), 1–16.
17. Reist, C., Mee, S., **Fujimoto, K. A.**, Rajani, V., Bunney, W. E., & Bunney, B. G. (2017). Assessment of psychological pain in suicidal veterans. *PLoS One*, *12*(5), e0177974.
16. Hwang, W.-C., Myers, H. F., Chiu, E., Mak, E., Butner, J. E., **Fujimoto, K. A.**, . . . Miranda, J. (2015). Culturally adapted cognitive-behavioral therapy for Chinese Americans with depression: A randomized controlled trial. *Psychiatric Services*, *66*(10), 1035–1042.
15. Gordon, R. A., Hofer, K. G., **Fujimoto, K. A.**, Risk, N., Kaestner, R., & Korenman, S. (2015). Identifying high-quality preschool programs: New evidence on the validity of the Early Childhood Environment Rating Scale–Revised (ECERS-R) in relation to school readiness goals. *Early Education and Development*, *26*(8), 1086–1110.
14. **Fujimoto, K. A.**, & Hwang, W.-C. (2014). Acculturative family distancing: Psychometric analysis with the extended two-tier IRT. *Psychological Assessment*, *26*(2), 493–512.
13. **Fujimoto, K. A.**, & Karabatsos, G. (2014). Dependent Dirichlet process rating model. *Applied Psychological Measurement*, *38*(3), 217–228.
12. Ji, P., & **Fujimoto, K. A.** (2013). Measuring heterosexual LGBT ally development: A Rasch analysis. *Journal of Homosexuality*, *60*(12), 1695–1725.
11. Colwell, N., Gordon, R. A., **Fujimoto, K. A.**, Kaestner, R., & Korenman, S. (2013). New evidence on the validity of the Arnett Caregiver Interaction Scale: Results from the Early Childhood Longitudinal Study—Birth Cohort. *Early Childhood Research Quarterly*, *28*(2), 218–233.
10. Gordon, R. A., **Fujimoto, K. A.**, Kaestner, R., Korenman, S., & Abner, K. (2013). An assessment of the validity of the ECERS-R with implications for measures of child care quality and relations to child development. *Developmental Psychology*, *49*(1), 146–160.
9. Smith, E. V., & **Fujimoto, K. A.** (2011). MultRasch SAS code for the estimation of the multiplicative Rasch model parameters. *Applied Psychological Measurement*, *35*(6), 485–486.
8. Hwang, W.-C., Wood, J. J., & **Fujimoto, K. A.** (2010). Acculturative family distancing (AFD) and depression in Chinese American families. *Journal of Consulting and Clinical Psychology*, *78*(5), 655–677.

7. Finlayson, M. L., Peterson, E. W., **Fujimoto, K. A.**, & Plow, M. A. (2009). Rasch validation of the Falls Prevention Strategies Survey. *Archives of Physical Medicine and Rehabilitation*, *90*(12), 2039–2046.
6. Reist, C., Mazzanti, C., Vu, R., **Fujimoto, K. A.**, & Goldman, D. (2004). Inter-relationships of intermediate phenotypes for serotonin function, impulsivity, and a 5-HT2A candidate allele: His452Tyr. *Molecular Psychiatry*, *9*(9), 871–878.
5. Reist, C., Nakamura, K., Sagart, E., Sokolski, K. N., & **Fujimoto, K. A.** (2003). Impulsive aggressive behavior: Open-label treatment with citalopram. *The Journal of Clinical Psychiatry*, *64*(1), 81–85.
4. Reist, C., Duffy, J. G., **Fujimoto, K. A.**, & Cahill, L. (2001). Beta-adrenergic blockade and emotional memory in PTSD. *International Journal of Neuropsychopharmacology*, *4*, 377–383.
3. Reist, C., Vu, R., Coccaro, E. F., & **Fujimoto, K. A.** (2000). Serotonin-stimulated calcium release is decreased in platelets from high impulsivity patients. *The International Journal of Neuropsychopharmacology*, *3*(4), 315–320.
2. Strybel, T. Z., & **Fujimoto, K. A.** (2000). Minimum audible angles in the horizontal and vertical planes: Effects of stimulus onset asynchrony and burst duration. *The Journal of the Acoustical Society of America*, *108*(6), 3092–3095.
1. Albers, L. J., Reist, C., Vu, R. L., **Fujimoto, K. A.**, Ozdemir, V., Helmeste, D., . . . Tang, S. W. (2000). Effect of venlafaxine on imipramine metabolism. *Psychiatry Research*, *96*(3), 235–243.

Other Publications and Reports

4. Bada, X., Schmit, J., & **Fujimoto, K. A.** (2011). Does birth place matter? Determinants of non-electoral civic and political engagement. *Dialogo*, *14*, 34–36.
3. Pallares, A., Guridy, V., & **Fujimoto, K. A.** (2011). Gender, education and civic engagement. *Dialogo*, *14*, 38–40.
2. De los Angeles Torres, M., Lesinski, N., & **Fujimoto, K. A.** (2011). Does age matter? *Dialogo*, *14*, 41–42.
1. Whalen, S. P., **Fujimoto, K. A.**, & Xiong, Y. (2008). *Hours of OST participation and developmental benefits for student participants in the Chicago Public Schools' Community Schools Initiative (CSI)*.

Conference Presentations

30. **Fujimoto, K. A.**, & Neugebauer, S. R. (2019, July). *A Bayesian Multidimensional Item Response Theory Model for Small Samples*. Paper presented at the International Meeting of the Psychometric Society, Santiago, Chile.
29. **Fujimoto, K. A.**, & Neugebauer, S. R. (2019, April). *A Bayesian two-tier IRT model for small samples*. Paper presented at the National Council on Measurement in Education, Toronto, Canada.
28. **Fujimoto, K. A.** (2018, July). *A Bayesian multilevel trifactor IRT model for small samples*. Paper presented at the International Meeting of the Psychometric Society, New York, NY.
27. **Fujimoto, K. A.** (2018, April-b). *Testing the orthogonal assumption of the bifactor IRT model: A Bayesian approach*. Poster presented at the National Council on Measurement in Education, New York, NY.
26. **Fujimoto, K. A.** (2018, April-a). *A Bayesian multilevel multidimensional IRT model for testing a key assumption of the bifactor model*. Paper presented at the Annual Meeting of the American Educational Research Association, New York, NY.
25. Hong, K., Chan, C., **Fujimoto, K. A.**, & Wei-Chin. (2017, November). *Call me back: Examining mental health provider callback rates and biases*. Poster presented at the Association for Behavioral and Cognitive Therapies (ABCT) Conference Annual Convention, San Diego, CA.
24. Chan, C., Hong, K., **Fujimoto, K. A.**, & Wei-Chin. (2017, October). *Call me back: Examining mental health provider biases toward Asian Americans*. Poster presented at the Asian American Psychological Association (AAPA) Annual Convention, Las Vegas, NV.
23. **Fujimoto, K. A.** (2017, April-b). *Item response theory modeling of cross-classified and trifactor item cluster structures*. Paper presented at the National Council on Measurement in Education Annual Meeting, San Antonio, TX.
22. **Fujimoto, K. A.** (2017, April-a). *Consequences of the proportional constraint in multilevel multidimensional item response theory models*. Paper presented at the Annual Meeting of the American Educational Research Association, San Antonio, TX.
21. **Fujimoto, K. A.**, Gordon, R. A., Peng, F., & Hofer, K. G. (2017, April). *Measuring preschool quality with the ECERS-R: Replicating and extending item response theory results across eight datasets*. Paper presented at the Society for Research in Child Development Biennial Meeting, Austin, TX.
20. **Fujimoto, K. A.** (2016, July). *A general Bayesian multilevel multidimensional item response theory model for local dependence*. Paper presented at the International Meeting of the Psychometric Society, Asheville, NC.

19. **Fujimoto, K. A.** (2016, April). *Multilevel item response theory models: Allowing the discriminations to vary across levels*. Paper presented at the Annual Meeting of the American Educational Research Association, Washington, DC.
18. Reist, C., Mee, S., Bunney, M., **Fujimoto, K. A.**, Alley, S., Rajani, V., & Bunney, W. (2015, May). *Assessment of psychological pain as a correlate of suicidality in a high risk Veteran population*. Poster presented at the Society of Biological Psychiatry, Toronto, Canada.
17. **Fujimoto, K. A.** (2015, April). *Bayesian multilevel multidimensional item response theory model*. Paper presented at the National Council on Measurement in Education Annual Meeting, Chicago, IL.
16. **Fujimoto, K. A.**, & Gordon, R. A. (2014, September). *Differential item functioning: A primer for developmental scholars*. Paper presented at the Society for Research in Child Development, Developmental Methodology, San Diego, CA.
15. Gordon, R. A., Galindo, C., **Fujimoto, K. A.**, Crabbe, R., & Fuller, B. (2014, September). *How teachers gauge children's social development: Differential item functioning among ethnic groups*. Paper presented at the Society for Research in Child Development, Developmental Methodology, San Diego, CA.
14. Crabbe, R., Gordon, R. A., **Fujimoto, K. A.**, & Krysan, M. (2014, September). *Using item response theory and differential item functioning to further examine concerted cultivation*. Paper presented at the Society for Research in Child Development, Developmental Methodology, San Diego, CA.
13. **Fujimoto, K. A.**, & Karabatsos, G. (2014, July). *Multiple dependent Dirichlet process rating model*. Paper presented at the International Meeting of the Psychometric Society, Madison, WI.
12. **Fujimoto, K. A.** (2014, April). *Bayesian extended two-tier full-information item factor analysis model*. Paper presented at the National Council on Measurement in Education Annual Meeting, Philadelphia, PA.
11. **Fujimoto, K. A.**, & Karabatsos, G. (2013, October). *The dependent Dirichlet process rating model for health outcomes*. Poster session presented at the 10th International Conference on Health Policy Statistics, Chicago, IL.
10. **Fujimoto, K. A.**, & Karabatsos, G. (2013, April). *The dependent Dirichlet process rating model for DIF analysis*. Paper presented at the National Council on Measurement in Education Annual Meeting, San Francisco, CA.
9. Colwell, N., Gordon, R. A., **Fujimoto, K. A.**, Kaestner, R., & Korenman, S. (2013, April). *Domain-specific quality measures for early childhood programs: New evidence from the Study of Early Child Care and Youth Development*. Paper presented at the symposium, "New Insights into Early Care and Education Quality and Child Development: Profiles of Care and Domain-Specific Aspects of Quality" at the Society for Research in Child Development, Seattle, WA.

8. Gordon, R. A., Hofer, K. G., **Fujimoto, K. A.**, Colwell, N., Kaestner, R., & Korenman, S. (2013, April). *Measuring aspects of child care quality specific to domains of child development: An indicator-level analysis of the ECERS-R*. Paper presented in the symposium, "Measuring Early Care and Education Quality: New Insights about the Early Childhood Environment System Rating Scale-Revised" at the Society for Research in Child Development, Seattle, WA.
7. Colwell, N., Gordon, R. A., **Fujimoto, K. A.**, Kaestner, R., & Korenman, A. (2012, November). *New evidence on the validity of the Arnett Caregiver Interaction Scale: Results for preschoolers in the Early Childhood Longitudinal Study-Birth Cohort*. Poster session presented at the National Council of Family Relations Annual Conference, Phoenix, AZ.
6. Hwang, W.-C., Mak, E., **Fujimoto, K. A.**, Li, R., Ng, W., Chiu, E., . . . Miranda, J. (2012, August). *Culturally adapting psychotherapy: Moving from frameworks to evidence-based clinical practice*. Paper presented at the American Psychological Association (APA) conference, Orlando, FL.
5. **Fujimoto, K. A.** (2012, April). *Random item Rasch model: Effectiveness in detecting differential item functioning through the variance component*. Paper presented at the International Objective Measurement Workshop, Vancouver, Canada.
4. Colwell, N., Gordon, R. A., & **Fujimoto, K. A.** (2012, April). *New evidence on the validity of the first grade classroom observation system*. Paper presented at the Annual Meeting of the American Educational Research Association, Vancouver, Canada.
3. Gordon, R. A., **Fujimoto, K. A.**, Kaestner, R., Korenman, S., & Abner, K. (2010, June). *Psychometric properties of the ECERS-R in a national sample of four-year-olds*. Poster presented at the Institute of Education Sciences Research Conference, National Harbor, MD.
2. Finlayson, M., Peterson, E., **Fujimoto, K. A.**, & Plow, M. (2009, May). *Rasch validation of the Falls Prevention Strategies Survey*. Paper presented at the consortium of Multiple Sclerosis Centers 23rd Annual Meeting, Atlanta, GA.
1. Goldman, S. R., Lawless, K. A., Gomez, K., Bertenthal, M., Braasch, J., MacLeod, S., . . . Manderino, M. (2007, April). *Assessing multiple-source digital literacy skills*. Paper presented at the symposium "21st Century Literacy: A Symposium in Honor of Michael Pressley" at the American Educational Research Association, Chicago, IL.

Invited Talks

5. **Fujimoto, K. A.** (2014, April 15). *Bayesian nonparametric item response theory approach to differential item functioning analysis*. Presentation at the Department of Mathematics, Statistics, and Computer Science, University of Illinois at Chicago.
4. **Fujimoto, K. A.** (2014, April 8). *Parametric item response theory approach to differential item functioning analysis*. Presentation at the Department of Mathematics, Statistics, and Computer Science, University of Illinois at Chicago.
3. **Fujimoto, K. A.** (2012, October 3). *The dependent Dirichlet process rating model for differential item functioning analysis*. Presentation at the Department of Educational Psychology brown-bag, University of Illinois at Chicago.
2. Gordon, R. A., **Fujimoto, K. A.**, Kaestner, R., Korenman, S., & Abner, K. (2012, March 7). *An assessment of the validity of the ECERS-R with implications for assessments of child care quality and its relation to child development*. Presentation at the Institute of Education Sciences Grantee Meeting.
1. Gordon, R. A., **Fujimoto, K. A.**, Kaestner, R., Korenman, S., & Abner, K. (2010, October 2010). *An assessment of the validity of a widely-used measure of child care quality in a national sample of four-year-olds*. Presentation at the Center for Human Potential and Public Policy, the Harris School, the University of Chicago.

Research Grants

2. Fujimoto, K. A. (2015). *Summer Research Stipend*. Loyola University Chicago, \$7,000.
1. Institute of Education Sciences. (2016). *Measuring the efficacy of arts integrated instruction in raising student engagement, motivation and interpersonal skills*. Co-Investigator, \$2,165,958, not funded.

Classes Taught

- RMTD 432: Item Response Theory
- RMTD 430: Psychological Measurement
- RMTD 482: Introduction to Linear Modeling
- RMTD 404: Introductory Statistics
- RMTD 400: Introduction of Research Methodology

Editorial Boards

- Consulting Editor, *Cultural Diversity & Ethnic Minority Psychology* (2019)

Professional Service

- Ad hoc reviewer, *Psychometrika*
- Ad hoc reviewer, *British Journal of Mathematical and Statistical Psychology*
- Ad hoc reviewer, *Educational and Psychological Measurement*
- Ad hoc reviewer, *Journal of Educational Measurement*
- Ad hoc reviewer, *Applied Psychological Measurement*
- Ad hoc reviewer, *Computational Statistics and Data Analysis*
- Ad hoc reviewer, *Statistics in Medicine*
- Ad hoc reviewer, *Cultural Diversity and Ethnic Minority Psychology*
- Ad hoc reviewer, *Canadian Journal of Occupational Therapy*
- Proposal reviewer, *National Council on Measurement in Education*
- Proposal reviewer, *American Educational Research Association*
- Proposal co-reviewer (with Rachel A. Gordon, Ph.D.), Society for Research in Child Development, Themed Meeting: Developmental Methodology (2011)

Service to the School

- Member, Curriculum Committee (2018–Present)
- Member, CAEP Advanced Programs Self Study Report (2017–2018)
- Member, Awards Committee (2015–2017)
- Member, Assisted in the Development of the Measurement & Quantitative Methodology Certificate (2015–2016)
- Member, Search Committee for a tenure-track faculty line in Teaching and Learning (2015)
- Member, Research Methodology Graduate Admissions Committee (2014–Present)
- Statistical consultation to faculty members
- Graduate Open Houses

Service to the Community

- Provided statistical consultation to:
 - A team of psychiatrists at the Long Beach Veterans Affairs Healthcare System, Department of Psychiatry
 - Researchers engaged in improving child day cares and caregiver interactions at the University of Illinois at Chicago/Institute of Government and Public Affairs
 - Minority Mental Health Research Lab, Claremont McKenna College

Professional Memberships

- Psychometric Society
- National Council on Measurement in Education
- American Educational Research Association

Relevant Research Background

STATISTICAL METHODS/MODELS: Infinite- and finite-mixture Modeling, Bayesian nonparametrics, multilevel modeling (hierarchical linear modeling), latent variable modeling, structural equation modeling, categorical data analysis, regression, and ANOVA

MEASUREMENT THEORIES/MODELS: Parametric and nonparametric item response theory, generalizability theory, and classical test theory

PROGRAMING LANGUAGES AND STATISTICAL SOFTWARE: C++, Matlab, R, SAS, SPSS, IRTPro, flexMIRT, Conquest, Parscale, Bilog, Winsteps, and Facets

Selected Awards

- University Fellow, University of Illinois at Chicago
- Graduate Minority Fellowship, University of Arizona
- Career Opportunity in Research Fellowship, sponsored by the National Institute of Mental Health

Communication Skills

LANGUAGES: English (native) and Japanese (fluent in speaking)