

# Kelsey Dongwei Wang

Work: Department of Psychological and Brain Sciences  
University of Massachusetts Amherst  
623 Tobin Hall, 135 Hicks Way  
Amherst, MA 01003-9271

## EDUCATION

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**Ph.D. Candidate:** Research, Educational Measurement & Psychometrics 2019 - Current  
Department of Educational Policy, Research, & Administration  
University of Massachusetts, Amherst  
Dissertation: “Tackling Omitted and Not-reached Items in International Large-scale Assessment: a model-based approach”. (tentative title)  
Academic Advisor: Craig Wells, Ph.D.

**Master of Arts:** Educational Psychology & Quantitative Methods 2015 - 2018  
Department of Counseling, School and Educational Psychology Department  
State University of New York at Buffalo  
Advanced graduate certificate (AGC) in applied statistical analysis  
Master’s Thesis: “Alignment of Educational and Occupational Expectations and Effect on Educational Attainment”  
Thesis Advisor: Jeremy D. Finn, Ph.D.

**Bachelor of Medicine:** Chinese Medicine (Clinical Psychology Concentration) 2009 - 2014  
Fujian University of Traditional Chinese Medicine

## HONORS/AWARDS

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- Scholarship for Academic Excellence in the academic year of 2009-2010, 2010-2011, 2011-2012, 2013-2014: Fujian University of Traditional Chinese Medicine
- Honor of Outstanding Student in the academic year of 2009-2010 No. 1 in the comprehensive appraisal of the overall department in the academic year of 2009-2010: Fujian University of Traditional Chinese Medicine

## TEACHING:

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- Instructor, “Latent Class Analysis”. Center for Research on Families 2020 Research Method Online Workshop Series, University of Massachusetts Amherst, March 2020.
- Instructor, “Repeated Measures ANOVA Using Mixed Effect Modeling”. Center for Research on Families 2020 Research Method Online Workshop Series, University of Massachusetts Amherst, March 2022.

## CONFERENCE PRESENTATIONS:

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- Wang, D (2018). "The Relationship Between Educational Expectation Trajectories and

Bachelor's Degree Completion". New York, NY: Round table presentation at the 2018 AERA Annual Meeting.

• Wang, D., Grotevant, H.D., & Lo, A. Y. (2019). "Adoption Mentoring Partnership: Research Perspective". Amherst, Massachusetts: Poster presentation at the 2019 Summer Adoption Research Institute.

• Wang, D., & Keller, L.A. (2021). "Standard Setting: examining the accuracy of proficiency scores in creating cut-scores using Receiving Operating Curve (ROC)". Remote: Paper presentation at the 2021 Northeastern Educational Research Association (NERA) annual meeting.

• Wang, D., & Keller, L.A. (2022). "Standard Setting: examining the accuracy of proficiency scores in creating cut-scores". Expected Research Blitz presentation at the 2022 National Council on Measurement in Education (NCME) Annual Meeting.

• Wang, D., Starns, J., & Wells, C.S. (2022). "A Bayesian approach in detecting Differential Item Functioning (DIF) using ordinal logistic regression". Paper presentation at the 2022 Northeastern Educational Research Association (NERA) annual meeting.

## PUBLICATION

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• Rothwell, E. S., Workman, K. P., Wang, D., & Lacreuse, A. (2022). Sex differences in cognitive aging: a 4-year longitudinal study in marmosets. *Neurobiology of Aging*, 109, 88-99.

• Wright, A., Wang, D., & Grotevant, H.D. (in press). Adoptee Adjustment in Adulthood. *Adoption Quarterly*.

• Hogan, C. M., Grotevant, H.D. & Wang, D. (submitted). Adoptive Family Contexts of Adolescent Adjustment: Dyadic and Systemic Approaches.

## PROFESSIONAL EXPERIENCE

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### Data Manager/Analyst

**University of Massachusetts Amherst** – Amherst, MA

02/2018-current

- Serve on leadership team of Rudd Adoption Research Program Laboratory.
- Maintain multiple complex longitudinal, multi-informant data sets, including those from the Minnesota Texas Adoption Research Project, National Longitudinal Study of Adolescent to Adult Health, and Adoption Mentoring Partnership.
- Maintain excellent documentation of analyses.
- Maintain project codebooks and data manuals.
- Identify data issues and collaborate with team members to resolve problems.
- Complete analyses as needed for papers and reports.
- Assist with preparation of tables and figures.
- Consult with lab personnel as needed.
- Supervise undergraduate research assistants.

### Methodological Consultant, Center for Research on Families

**University of Massachusetts Amherst** – Amherst, MA

02/2018-current

- Provides methodological and statistical advice and guidance regarding the design of

studies, the collection and analysis of data, and the presentation and dissemination of research findings.

- Offer methodology workshops of various topics related to statistical analyses and research design.
- Run statistical analyses for faculty members who have received grant or outside clients and help with the write-ups and interpretation of results.

**Intern**

12/2013 - 02/2014

**Psychological Department, Fujian Energy Group Hospital** - Fuzhou, China

- Attended training pertaining to cognitive therapies, counseling skills, ethics and morals, behavior therapy and psychological measurement.
- Followed chief physicians to diagnose diseases and make the rounds of the wards.
- Assisted to write case reports and carry out psychological measurement on patients.
- Conducted statistical analysis on psychological measures used in the hospital.
- Provided counseling services to patients under the supervision of a chief physician.

**Intern**

06/2013 - 06/2014

**The No.2 People's Hospital of Fujian Province** - Fuzhou, China

Rotated in different departments and followed doctors to diagnose diseases, make the rounds of the wards, conduct operations, and deal with all kinds of emergencies during night shifts.

**Intern**

07/2010 - 08/2010

**Fuzhou United Front Work Department** - Fuzhou, China

- Helped to sort out diverse documents and personnel archives.
- Coordinated between different departments to resolve problems.
- Entered data promptly and efficiently with a high accuracy rate.

**Service to the Profession**

Journal Article Review

Student Reviewer, *Practical Assessment, Research, and Evaluation* (2019-present)

**PROFESSIONAL AFFILIATIONS**

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- National Council on Measurement in Education
- American Educational Research Association, Division D
- Northeastern Educational Research Association

**SOFTWARE SKILLS**

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SPSS, MPlus, RStudio, FlexMIRT, PARSCALE, HLM, Microsoft Office, Qualtrics, STATA, SAS, Tableau

## **PROFESSIONAL TRAINING**

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Quantitative\Qualitative Research Method, Item Response Theory, Classical Test Theory, Multivariate Statistics, Hierarchical Linear Modeling, Structural Equation Modeling, Group-based Trajectory Modeling, Survival Analysis, Intensive Longitudinal Data Analysis, Bayesian Statistics, Propensity Score Matching