

Lijuan (Peggy) Wang

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EDUCATION

Ph.D., Quantitative Psychology, University of Virginia, Charlottesville, VA, 2008

Advisors: Dr. John R. Nesselrode & Dr. John J. McArdle

M.A., Quantitative Psychology, University of Virginia, Charlottesville, VA, 2006

Advisor: Dr. John J. McArdle

M.S., Statistics, Renmin University of China, Beijing, 2003

Advisor: Dr. Yanyun Zhao

B.S., Statistics (minor in Finance), Renmin University of China, Beijing, 2000

ACADEMIC POSITIONS

Associate Professor, University of Notre Dame, 2015-

Department of Psychology, Quantitative Psychology

Assistant Professor, University of Notre Dame, 2008 - 2015

Department of Psychology, Quantitative Psychology

SELECTED DISTINCTIONS, HONORS, AND AWARDS

- 2019 - Consulting Editor, *Cultural Diversity and Ethnic Minority Psychology*
- 2018 Joyce Award for Excellence in Undergraduate Teaching, University of Notre Dame
- 2018- Editorial Board, *Multivariate Behavioral Research*
- 2016 - Associate Editor, *Psychological Methods*
- 2016 - Elected member, Society of Multivariate Experimental Psychology
- 2014 NSF Graduate Research Fellowship (Role: Mentor)
- 2006 - 2008 Fellow, International Max Planck Research School on the Life Course
- 2007 ETS Summer Internship Award
- 2006 National First-class Award on Statistical Research Books, National Bureau of Statistics of China
- 2000 Excellent Senior Thesis Award, School of Statistics, Renmin University of China

EXTERNAL RESEARCH GRANTS

Funded

Pathways Linking Early Adversity and Support to Behavioral and Physical Health. Role: Co-I; PI: Kristin Valentino. NIH 1R01HD091235. \$3,494,687 Total Costs. 2018 - 2023.

Families of Youth with Developmental Disabilities: A Theory Based Intervention. Role: Co-I (20%); PI: Edwards Cummings. NIH 1R01HD088482. \$3,557,267 Total Costs. 2017 - 2022.

Efficacy of Family Programs Promoting Father Sensitivity and Couples' Relations. Role: Co-I (20%); PI: Julie Braungart-Rieker. NIH 1R01HD087319. \$3,767,151 Total Costs. 2017- 2021.

Discrimination and Mental Health in Latino Families: Mediators and Moderators. Role: PI of the ND sub-award: \$52,974; mother grant PI: Irene Park. NIH 1R21MH097675. \$368,897 Total Costs. 2013 - 2016. Funded and Completed.

The Science of Honesty. Role: Co-PI; Lead PI: Anita Kelly. John Templeton Foundation. \$349,999 Total Costs. 2011-2014. Funded and Completed.

Creativity of College Students in China and USA, a Cross-cultural Comparison Study. PI. Sponsor: Renmin University of China. \$18,000 Total Costs. 2011-2013. Funded and completed.

Pending

Structural Equation Modeling for Big Data Analysis. Role: Co-PI; Lead PI: Johnny Zhang. Institute of Education Sciences. \$892,270 Total Costs. 2019-2022. Under review.

Psychosocial stress, epigenetics and health disparity in hypertension. Role: Co-I; PI: Laura Miller-Graff. NIH R01. \$3,217,123 Total Costs. 2019-2024. Revision submitted.

Psychosocial stress, epigenetics and health disparity in hypertension. Role: statistical consultant; PI: Shaoyong Su at Georgia Prevention Institute. NIH R01. 2019-2024. Revision submitted.

Latino youths coping with discrimination: A multi-level investigation in micro- and macro-time. Role: PI of the ND sub-contract: \$229,555; mother grant PI: Irene Park. NIH R01. 2019 - 2024.

SCIENTIFIC REVIEW

Journal Article Review

Addictive Behaviors; Archives of Scientific Psychology; Behavior Research Methods; British Journal of Mathematical and Statistical Psychology; Communications in Statistics Theory and Methods; Educational and Psychological Measurement; Group Dynamics: Theory, Research, and Practice; International Journal of Behavioral Development; International Journal of Psychology; Journal of Applied Statistics; Journal of Computational and Graphical Statistics; Journal of Educational and Behavioral Statistics; Journal of Educational Psychology; Journal of Modern Applied Statistical Methods; Journal of the American Statistician Association: Theory & Methods; Medical Research Methodology; Methodology; Multivariate Behavioral Research; Psychological Methods; Psychometrika; Statistics in Medicine; Structural Equation Modeling

Grant Proposal Review

National Science Foundation; Indiana Clinical and Translational Sciences Institute; Natural Sciences and Engineering Research Council of Canada; Netherlands Organisation for Scientific Research; Medical Research Council of United Kingdom;

DOCTORAL DISSERTATION DIRECTED

Qian Zhang (August 2015; graduation-to-current: tenure-track assistant professor at Florida State University)

Han Du (January 2018; graduation-to-current: tenure-track assistant professor at University of California, Los Angeles)

QUANTITATIVE MINOR STUDENT SUPERVISED

Caroline Hornburg (2017; postdoctoral research fellow at Purdue University)

Amy Nuttall (2015, co-advised with Prof. Scott Maxwell; tenure-track assistant professor at Michigan State University)

Elizabeth Planalp (2014; postdoctoral research fellow at University of Wisconsin - Madison)

PUBLICATIONS (Underlined co-author was a student when the research was conducted; *quantitative-minor student)

Refereed Journal Articles

1. **Wang, L.**, Zhang, Q., Maxwell, S. E., & Bergeman, C. S. (in press). On standardizing within-person effects: Potential problems of global standardization. *Multivariate Behavioral Research*.
2. Narvaez, D., **Wang, L.**, Cheng, A., Gleason, T., Woodbury, R., Kurth, A., & Lefever, J.B. (in press). The importance of early life touch for psychosocial and moral development. *Moral Cognition and Communication*.
3. Zhang, Q., Yuan, K.-H., & **Wang, L.** (2018). Asymptotic Bias of Normal-Distribution-Based Maximum Likelihood Estimates of Moderation Effects with Missing at Random Data. *British Journal of Mathematical and Statistical Psychology*. doi:10.1111/bmsp.12151
4. **Wang, L.**, Yang, M., & Liu, X. (2018). The impact of over-simplifying the between-subject covariance structure on inferences of fixed effects in modeling nested data. *Structural Equation Modeling*. <https://doi.org/10.1080/10705511.2018.1489725>
5. Park, I. J. K., Du, H., **Wang, L.**, Williams, D. R., & Alegria, M. (2018). The Role of Parents' Ethnic-Racial Socialization Practices in the Discrimination—Depression Link among Mexican-Origin Adolescents. *Journal of Clinical Child and Adolescent Psychology*, 62 (4), 480 – 487.

6. Blaxon, J., Bergeman, C. S., & **Wang, L.** (2018). Daily stress reactivity across the lifespan: Longitudinal and cross-sectional effects of age. *Journal of Gerontology: Psychological Sciences*. doi: 10.1093/geronb/gby046
7. Du, H., & **Wang, L.** (2018) Reliabilities of intraindividual variability indicators with autocorrelated longitudinal data: Implications for longitudinal study designs. *Multivariate Behavioral Research*, 53(4), 502-520.
8. Joiner, R., Bergeman, C. S., & **Wang, L.** (2018). Affective experience across the adult lifespan: An accelerated longitudinal design. *Psychology and Aging*, 33(3), 399-412.
9. *Hornburg, C., **Wang, L.**, & McNeil, N. (2018). Comparing meta-analysis and individual person data analysis using raw data on children's understanding of equivalence. *Child Development (the 2018 meta-analysis and individual participant data analysis special issue)*, 89(6), 1983-1995. Hornburg's quantitative-minor project.
10. Park, I. J. K., Du, H., **Wang, L.**, Williams, D. R., & Alegria, M. (2018). Racial/ethnic discrimination and mental health in Mexican-origin youths and their parents: Testing the "linked lives" hypothesis. *Journal of Adolescent Health*, 62, 480-487.
11. Park, I. J. K., **Wang, L.**, Williams, D. R., & Alegria, M. (2017). Coping With Racism: Moderators of the Discrimination-Adjustment Link Among Mexican-Origin Adolescents. *Child Development*. doi: 10.1111/cdev.12856.
12. Zhang, Q., **Wang, L.**, & Bergeman, C. S. (2017). Multilevel autoregressive mediation models: Specification, estimation, and applications. *Psychological Methods*, 22 (4), 649 - 666.
13. Du, H., Liu, F., & **Wang L.** (2017). A Bayesian "fill in" method for correcting or publication bias in meta-analysis. *Psychological Methods*, 22 (4), 799 -817.
14. Zhang, Q. & **Wang, L.** (2017). Moderation analysis with missing data in the predictors. *Psychological Methods*, 22 (4), 649 - 666.
15. Park, I. J. K., **Wang, L.**, Williams, D. R., & Alegria, M. (2017). Does anger regulation mediate the discrimination-mental health link among Mexican-origin adolescents? A longitudinal mediation analysis using multilevel modeling. *Developmental Psychology*, 53(2), 340-352.
16. Du, H. & **Wang L.** (2017). Investigating reliabilities of intraindividual variability indicators with autocorrelated longitudinal data. *Multivariate Behavioral Research*, 52 (1), 120-121.
17. *Planalp, E. M., Du, H., Braungart-Rieker, J. M., & **Wang, L.** (2017). Growth curve modeling to studying change: A comparison of approaches using longitudinal dyadic data with distinguishable dyads. *Structural Equation Modeling*, 24(1), 129-147. ^ccontact author. Planalp's quantitative-minor project.
18. Du, H. & **Wang, L.** (2016). A Bayesian power analysis procedure considering uncertainty in effect size estimates from a meta-analysis. *Multivariate Behavioral Research*, 51(5), 589-605.

19. Narvaez, D., **Wang, L.**, & Cheng, A. (2016). Evolved Developmental Niche History: Relation to adult psychopathology and morality. *Applied Developmental Science*, 4, 294-309.
20. Deng, L., **Wang, L.**, & Zhao, Y. (2016). How creativity was affected by environmental factors and individual characteristics: A cross-cultural comparison perspective. *Creativity Research Journal*. 28 (3), 1-10.
21. Du, H., & **Wang, L.** (2016). The impact of the number of dyads on estimation of dyadic data analysis using multilevel modeling. *Methodology*, 12, 21-31.
22. *Nuttall, A. K., Valentino, K., **Wang, L.**, Lefever, J. B., & Borkowski, J. G. (2015). Maternal history of parentification and maternal warm responsiveness across the transition to parenthood: The mediating role of maternal knowledge of infant development. *Journal of Family Psychology*, 29(6), 863-872.
23. **Wang, L.** & Maxwell, S. E. (2015). On disaggregating between-person and within-person effects with longitudinal data using multilevel models. *Psychological Methods*, 20(1), 63-83.
24. Ke, Z. & **Wang, L.** (2015). Detecting individual differences in change: Methods and comparisons. *Structural Equation Modeling*, 22(3), 383-400.
25. **Wang, L.** & Preacher, K. J. (2015). Moderated mediation analysis using Bayesian methods. *Structural Equation Modeling*, 22(2), 249-263.
26. Yang, M., **Wang, L.**, & Maxwell, S. E. (2015). Bias in longitudinal data analysis with missing data using typical linear mixed-effects modeling and pattern-mixture approach: an analytical illustration. *British Journal of Mathematical and Statistical Psychology*, 68(2), 246-267.
27. Zhang, Q. & **Wang, L.** (2015). Evaluating methods for moderation analysis with missing data in the predictors. *Multivariate Behavioral Research*, 50(1), 144-145.
28. Zhang, Q. & **Wang, L.** (2014). Aggregating and testing intra-individual correlations: methods and comparisons. *Multivariate Behavioral Research*, 49(2), 130-148.
29. Narvaez, D., Gleason, T., **Wang, L.**, Brooks, J., Lefever, J. B., Cheng, Y. & Centers for the Prevention of Child Neglect (2013). The Evolved Development Niche: longitudinal effects of caregiving practices on early childhood psychosocial development. *Early Childhood Research Quarterly*, 28(4), 759-773.
30. Narvaez, D., **Wang, L.**, Gleason, T., Cheng, Y., Lefever, J., & Deng, L. (2013). The evolved developmental niche and child socio-moral outcomes in Chinese 3-year-olds. *European Journal of Developmental Psychology*, 10(2), 106-127.
31. Ke, Z. & **Wang, L.** (2013). Investigating methods for detecting interindividual differences in intraindividual change. *Multivariate Behavioral Research*, 48(1), 162-163.
32. Zhang, Z., & **Wang, L.** (2013). Methods for mediation analysis with missing data. *Psychometrika*, 78(1), 154-184.
33. **Wang, L.** & Grimm, K. J. (2012). Investigating reliabilities of intraindividual variability indicators. *Multivariate Behavioral Research*, 47(5), 771-802.

34. **Wang, L.**, Hamaker, E., & Bergeman, C. (2012). Investigating inter-individual differences in short-term intra-individual variability. *Psychological Methods, 17*(4), 567-581.
35. Zhang, Z., & **Wang, L.** (2012). A note on the robustness of a full Bayesian method for non-ignorable missing data analysis. *Brazilian Journal of Probability and Statistics, 26*(3), 244-264.
36. **Macready, D. E.**, **Cheung, R.**, Kelly, A. E., & **Wang, L.** (2011). Can public versus private disclosure cause greater psychological symptom reduction? *Journal of Social and Clinical Psychology, 30*(10), 1015-1042.
37. Driscoll, K.C., **Wang, L.**, Mashburn, A.J., & Pianta, R.C. (2011). Fostering supportive teacher-child relationships: Intervention implementation in a state-funded preschool program. *Early Education and Development, 22*(4), 593-619.
38. **Wang, L.** & Zhang, Z. (2011). Estimating and testing mediation effects with censored data. *Structural Equation Modeling, 18*(1), 18-34.
39. **Wang, L.** (2010). IRT-ZIP modeling for multivariate zero-inflated count data. *Journal of Educational and Behavioral Statistics, 35*(6), 671-692.
40. MacCann, C., **Wang, L.**, Matthews, G., & Roberts, R. D. (2010). Emotional intelligence and the eye of the beholder: Comparing self- and parent-rated situational judgments in adolescents. *Journal of Research in Personality, 44*(5), 673-676.
41. Zhang, Z. & **Wang, L.** (2009). Statistical power analysis for longitudinal data using SAS. *Behavioral Research Methods, 41*(4), 1083-1094.
42. **Wang, L.**, Zhuang, X., Liu, O., MacCann, C., & Roberts, R. (2009). Assessing teamwork and collaboration in high school students: a multimethod approach. *Canadian Journal of School Psychology, 24*(2), 108-124.
43. **Wang, L.**, Zhang, Z., McArdle, J. J., & Salthouse, T. A. (2008). Investigating ceiling effects in longitudinal data analysis. *Multivariate Behavioral Research, 43*(3), 476-496.
44. Zhang, Z., McArdle, J. J., **Wang, L.**, & Hamagami, F. (2008). A SAS interface for Bayesian analysis with WinBUGS. *Structural Equation Modeling, 15*(4), 705-728.
45. **Wang, L.**, & McArdle, J. J. (2008). A simulation study comparison of Bayesian estimation with conventional methods for estimating unknown change points. *Structural Equation Modeling, 15*(1), 52-74.
46. Zhang, Z., Hamagami, F., **Wang, L.**, Grimm, K. J., & Nesselroade, J. R. (2007). Bayesian analysis of longitudinal data using growth curve models. *International Journal of Behavioral Development, 31*(4), 374-383.
47. Schwenzer, K. J., & **Wang, L.** (2006). Assessing moral distress in respiratory care practitioners. *Critical Care Medicine, 34*(12), 2967-2973.
48. Ram, N., Chow, S. M., Bowles, R. P., **Wang, L.**, Grimm, K. J., Fujita, F., & Nesselroade, J. R. (2005). Examining interindividual differences in cyclicity of pleasant and unpleasant affect using spectral analysis and item response modeling. *Psychometrika, 70*(4), 773-790.

Books, Book Chapters, Book Reviews, and Conference proceedings

1. **Wang, L., & Yang, M.** (2018). On interindividual differences in intraindividual changes. In E. Ferrer, S. M. Boker, & K. J. Grimm (Eds.), *Advances in Longitudinal Models for Multivariate Psychology*. New York: Taylor & Francis.
2. Zhang, Z., & **Wang, L.** (2017). *Advanced statistics using R*. [<https://advstats.psychstat.org>]. Granger, IN: ISDSA Press. ISBN: 978-1-946728-01-2.
3. **Wang, L., & Anderson, S. F.** (2016). A Review of Intensive Longitudinal Methods: An Introduction to Diary and Experience Sampling Research. *Journal of Educational and Behavioral Statistics*, 41(6), 653-658.
4. Gleason, T., Narvaez, D., Cheng, A., **Wang, L.,** & Brooks, J. (2016). Wellbeing and sociomoral development in preschoolers: The role of maternal parenting attitudes consistent with the Evolved Developmental Niche. In D. Narvaez, J. Braungart-Rieker, L. Miller, L. Gettler, & P. Hastings (Eds.), *Contexts for young child flourishing: Evolution, family and society* (166-184). New York, NY: Oxford University Press.
5. Narvaez, D., Gleason, T., Lefever, J.B., **Wang, L.,** & Cheng, A. (2016). Early experience and ethical orientation. In D. Narvaez, *Embodied morality: Protectionism, engagement and imagination* (pp. 73-98). New York, NY: Palgrave-Macmillan.
6. Zhang, Z., **Wang, L.,** & **Tong, X.** (2015). Mediation Analysis with Missing Data through Multiple Imputation and Bootstrap. In L. A. van der Ark, D. M. Bolt, W.-C. Wang, J. A. Douglas, & S.-M. Chow (Eds.) *Quantitative Psychology Research: the 79th Annual Meeting of the Psychometric Society* (pp. 341–355). Springer Proceedings in Mathematics & Statistics.
7. **Wang, L.,** Zhang, Z., & Estabrook, R. (2009). Longitudinal mediation analysis of training intervention effects. S-M. Chow, E. Ferrer, & F. Hsieh (Eds), *Statistical methods for modeling human dynamics: An interdisciplinary dialogue* (pp. 349-380). New York, NY: Taylor & Francis.
8. Zhuang, X., MacCann, C., **Wang, L.,** Liu, L., & Roberts, R. D. (2008). Development and validity evidence supporting a teamwork and collaboration assessment for high school students. *ETS Research Report Series*, RR-08-50.
9. Zhang, Z., & **Wang, L.** (2008). Methods for evaluating mediation effects: Rationale and comparison. In K. Shigemasu, A. Okada, T. Imaizumi, & T. Hoshino (Eds.), *New trends in psychometrics* (pp. 595-604), Tokyo: Universal Academy Press.
10. McArdle, J. J., & **Wang, L.** (2008). Modeling age-based turning points in longitudinal life-span growth curves of cognition. In P. Cohen (Ed.), *Applied data analytic techniques for turning point research* (pp. 105-128). New York, NY: Taylor & Francis.
11. **Wang, L.,** & Zhao, Y. (2005). Modeling economic growth competitiveness of China using structural equation models (in Chinese). In Y. Zhao (Ed.), *International Competitiveness: Statistical models and application research* (Chapter 5, pp. 72-100). Beijing, China: Standard Press of China.

ACADEMIC PRESENTATIONS (Underlined co-speaker was a student when the research was conducted)

Wang, L. (November 2018). *Discussion of study design and methodological considerations*. Invited scholar for a full day working meeting of the Midwest Longitudinal Study of Asian American Families (ML-SAAF), University of Chicago, Chicago, IL.

Wang, L. & Zhang, Q. (October 2018). *Investigating the impact of time intervals and time lags on autoregressive mediation modeling: Implications and recommendations*. Talk presented at the 2018 SMEP meeting, Albuquerque, NW.

Du, H., & Wang, L. (July 2018). *Testing variance components in linear mixed modeling using permutation*. Talk presented at the 83th annual Meeting of the Psychometric Society, New York City, New York.

Liu, Q., & Wang, L. (July 2018). *T-test and ANOVA for data with ceiling and floor effects*. Talk presented at the 83th annual Meeting of the Psychometric Society, New York City, New York.

Joiner, R. J., Bergeman, C. S., & Wang, L. (May 2018). *Support dynamics in the stress-negative affect link: Within individuals, within dyadic pairs, and across dyads*. Paper presented at the 30th Association for Psychological Science Annual Convention, New San Francisco, CA.

Hornburg, C. B., McNeil, N. M., & Wang, L. (November 2017). *Problem encoding does not always drive problem solving: Evidence from children's performance on mathematical equivalence problems*. Poster presented the 2017 Psychonomics conference.

Hornburg, C. B., McNeil, N. M., & Wang, L. (October 2017). *The role of encoding in children's understanding of mathematical equivalence depends on problem format*. Poster presented the 2017 Cognitive Development Society Biennial Conference, Portland, Oregon.

Wang, L. & Yang, M. (August 2017). *Approaches of modeling intraindividual variability as a predictor*. Invited talk presented at the symposium of methodological advances for modeling and characterizing repeated intraindividual observations, APA, Washington D.C.

Du, H., & Wang, L. (July 2017). *Investigating reliabilities of intraindividual variability indicators with autocorrelated longitudinal data*. Talk presented at the 82th annual Meeting of the Psychometric Society, Zürich, Switzerland.

Wang, L. Zhang, Q., Maxwell, S. E., & Bergeman, C. S. (June 2017). *On estimating within-person relations using mixed-effects modeling*. Invited talk presented at the 2017 ICSA applied statistics symposium, Chicago, IL.

O'Rear C. D., McNeil, N. M., & Wang, L. (April 2017). *Arithmetic fluency and understanding of math equivalence interact to predict children's use of inversion*. Poster presented the 2017 SRCD Biennial Meeting, Austin, Texas.

Park, I. J. K., Wang, L., Schmid, M., Alegria, M., & Willams, D. R. (April 2017). *Coping with racism – adjustment link among Mexican –origin adolescents*. Poster presented the 2017 SRCD Biennial Meeting, Austin, Texas.

Joiner, R., Bergeman, C., & Wang, L. (November 2016). *Emotional Experience Across the Adult Lifespan: An Accelerated Longitudinal Design*. Talk presented at the Gerontological Society of America Annual Scientific Meeting, New Orleans, LA.

Wang, L. & Yang, M. (October 2016). *Impact of over-simplified covariance structures on statistical inference in linear latent curve modeling*. Invited talk presented at the Advances in Longitudinal Models for Multivariate Psychology conference: A Festschrift for Jack McArdle, Richmond, VA.

Du, H. & Wang L. (October 2016). *Investigating reliabilities of intraindividual variability indicators with autocorrelated longitudinal data*. Poster presented at the 2016 SMEP graduate student conference, Richmond, VA.

Wang, L. & Zhang, Q. (October 2016). *Investigating different data handling approaches for modeling mediation effects using the autoregressive mediation model*. Talk presented at the 2016 SMEP meeting, Richmond, VA.

Nuttall, A. K., Zhang, Q., Du, H., Wang, L., & Maxwell, S. E. (September 2016). *Bias in cross-sectional examinations of longitudinal mediation with a time-invariant Predictor*. Poster presented at the 3rd Biennial Developmental Methods Conference, Whitefish, Montana.

Wang, L. (June 2016). *Integrative mediation analysis*. Invited talk presented at the Big Statistics & Data Science Joint Conference, Beijing, China.

Zhang, Q., Wang, L., & Bergeman, C. (May 2016). *Multilevel autoregressive mediation models: Specification, estimation, and applications*. Talk presented at the Modern Modeling Methods (M3) conference, Storrs, Connecticut.

Wang, L. (November 2015). *Bayesian power analysis*. Invited talk presented at the University of North Carolina, Chapel Hill, NC.

Du, H., Liu, F., & Wang, L. (July 2015). *A Bayesian "fill in" method for correcting for publication bias in meta-analysis*. Talk presented at the 80th Annual Meeting of the Psychometric Society, Beijing, China.

Wang, L. (June 2015). *From Statistics to Quantitative Psychology*. Invited talk presented at the Renmin University of China, Beijing, China.

Wang, L. (November 2014). *Studying intra-individual change and variability and inter-individual differences in them for psychological research*. Invited talk presented at the University of California Davis, Davis, CA.

Zhang, Q., & Wang, L. (October 2014). *Evaluating methods for moderation analysis with missing data in the predictors*. Poster presented at the meeting of Society of Multivariate Experimental Psychology Meeting, Nashville, TN.

Planalp, B. M., Wang, L., & Braugart-Rieker, J. M. (September 2014). *An empirical comparison of different modeling approaches for longitudinal dyadic data*. Poster presented at the 2nd Biennial Developmental Methods Conference, San Diego, California.

Kelly, A. E. & Wang, L. (August 2014). *Health benefits of sincere communication*. Talk presented at the American Psychological Association's 121th Annual Convention, Washington, DC.

Wang, L. & Maxwell, S. E. (July 2014). *On disaggregating between-person and within-person effects with longitudinal data using multilevel models*. Talk presented at the 79th annual meeting of the Psychometric Society, Madison, Wisconsin.

Zhang, Q. & Wang, L. (July 2014). *Methods for moderation analysis with missing data in the predictors*. Talk presented at the 79th annual meeting of the Psychometric Society, Madison, Wisconsin.

Cunningham, C. M. & Wang, L. (July 2014). *Bayesian vs. Bootstrap Methods for mediation Analysis with Binary Outcomes*. Talk presented at the 79th annual meeting of the Psychometric Society, Madison, Wisconsin.

Du, H., & Wang, L. (July 2014). *Power analysis with uncertainty in effect sizes*. Talk presented at the 79th Annual Meeting of the Psychometric Society, Madison, Wisconsin.

Wang, L. & Du, H. (May 2014). *Bayesian power analysis with uncertainty considered*. Talk presented at the APS 26th Annual Convention, San Francisco, CA.

Wang, L. & Preacher, K. J. (2013). *Moderated mediation analysis using Bayesian methods*. Poster presented at the American Psychological Association's 120th Annual Convention, Honolulu, Hawaii.

Kelly, A. E., Wang, L., Gondoli, D. (2013). *Explaining the connection between fewer lies and better health*. Talk presented at the American Psychological Association's 120th Annual Convention, Honolulu, Hawaii.

Du, H. & Wang, L. (2013). *Number of dyads needed in dyadic data analysis*. Poster presented at the APS 25th Annual Convention, Washington, DC.

Zhang, Q. & Wang, L. (2013). *The analyses of time lag and model specification for longitudinal mediation under auto-regressive models*. Poster presented at the APS 25th Annual Convention, Washington, DC.

Cunningham, C. M. & Wang, L. (2013) *An evaluation of using standardized bias to measure practical effects of bias*. Poster presented at the APS 25th Annual Convention, Washington, DC.

Kelly, A. E. & Wang, L. (2012). *A life without lies: can living more honestly improve health?* Invited talk presented at the American Psychological Association's 119th Annual Convention, Orlando, FL.

Wang, L. (2011). *Investigating reliabilities of intra-individual variability indicators*. Invited talk presented at the Nesselrode Festschrift, University of Virginia, Charlottesville, VA.

Wang, L. (2011). *Mediation and moderation analysis in psychology*. Invited talk presented at the Beihang University, Beijing, China.

Wang, L. (2011). *Estimating and testing mediation effects with censored data using Bayesian methods*. Talk presented at the American Psychological Association's 118th Annual Convention, Washington, DC.

Wang, L. (2011). *Investigating inter-individual differences in short-term intra-individual variability*. Poster presented at the American Psychological Association's 118th Annual Convention, Washington, DC.

Zhang, Q. & Wang, L. (2011). *Methods for aggregating and testing intra-individual correlations*. Poster presented at the American Psychological Association's 118th Annual Convention, Washington, DC.

Wang, L. (2010). *IRT-ZIP modeling for multivariate zero-inflated count data*. Poster presented at the American Psychological Association's 118th Annual Convention, San Diego, CA.

Wang, L. (2009). *Bayesian analysis for zero-inflated data in WinBUGS*. Invited talk presented at the University of Southern California, Los Angeles, CA.

Wang, L. (2009). *Structural equation modeling with censored data*. Invited talk presented at the Renmin University of China, Beijing, China.

Wang, L. (2007-2008). *Modeling longitudinal ceiling data*. Invited talks presented at the University of Arizona, University of California, Los Angeles, University of Notre Dame, University of Kansas, and University of Miami, etc.

Wang, L. (2007). *Generalized mixed models with mixture links for multivariate zero inflated count data*. Talk presented at the Society of Multivariate Experimental Psychology Student Pre-conference, Chapel Hill, North Carolina. *Competitively selected talk.

Wang, L., Zhuang, X., Liu, O., MacCann, C., & Roberts, R. (2007). *Assessing teamwork skills: A multi-method approach*. Talk presented at the Educational Testing Service, Princeton, NJ.

Wang, L., Zhang, Z., & McArdle, J. J. (2006). *Investigating ceiling effects in longitudinal data analysis*. Talk presented at the 71st Annual Meeting of the Psychometric Society, Montreal, Canada.

Wang, L., & Zhang, Z. (2006). *Memory training on individual learning performance for independent and vital older adults*. Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.

Wang, L., & McArdle, J. J. (2005). *An investigation of the nonlinear mixed model for estimating change points in longitudinal life-span data*. Talk presented at the Society of Multivariate Experimental Psychology Student Conference, Lake Tahoe, California. *Competitively selected talk.

TEACHING EXPERIENCE

Undergraduate Teaching

Fall 2014 & Fall 2015; *Advanced Statistics*, University of Notre Dame.

Fall 2008, Spring 2009, Fall 2009, Spring 2010, Fall 2010, Spring 2011, Fall 2011, Spring 2013, Spring 2014, Spring 2015, Spring 2018, Spring 2019; *Experimental Psychology - Statistics*, University of Notre Dame.

Graduate Teaching

2016 Fall, *Advanced Longitudinal Methods*, University of Notre Dame.

Summer 2010, *Longitudinal Analysis*, Renmin University of China.

Spring 2009, Spring 2010, Spring 2011, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2018, Spring 2019; *Longitudinal Data Analysis*, University of Notre Dame.

MENTORING AND ADVISING

Current Graduate Advisee

Charlotte Cunningham (on medical leave; NSF Graduate Research Fellowship receipt, 2014)

Qimin Liu (3rd year; coadvised with Prof. Scott Maxwell and Prof. Dave Smith)

Tyler Wilcox (2nd year; presidential fellowship)

Xiao Liu (2nd year; presidential fellowship)

Current Quantitative Minor Advisee

Miranda Gao (2018)

Director, Master's Thesis Committee

Qian Zhang (2014)

Member, Dissertation Committee

1. Kathryn Scrafford (2018 - ongoing)
2. Haley Gedek (2018- ongoing)
3. Angela Kurth (2018 – 2019)
4. Miao Yang (2018)
5. Haiyan Liu (2018)
6. Dana Townsend (2017-2018)
7. Samantha Anderson (2017-2018)
8. Justin Lunningham (2017-2018)
9. Patrick Miller (2016-2017)
10. Jessica Blaxton (2016-2017)
11. Caroline Hornburg (2016-2017)
12. Lori F. Cummins (2017)
13. Rachel Baird (2016)
14. Michelle Comas (2016)
15. Amy Nuttall (2015)
16. Elizabeth Planalp (2014)
17. Rebecca Cheung (2014)
18. Robert Perera (2013)
19. Alissa Russell (2012)
20. Melissa A. Mitchell (2011)
21. Mary Wagner Fuhs (2010)

22. Manshu Yang (2010)
23. Jiyun Zu (2009)
24. Kathleen McCoy (2009)

Member, Master's Thesis Committee

1. Molly O'Neill (2018 - ongoing)
2. Ruth Speidel (2018)
3. Dana Tran (2018)
4. Amanda Nowak (2018)
5. Ruth Speidel (2017-2018)
6. Raquael Joiner (2017-2018)
7. Angelica Frausto (2017)
8. Miranda Gao (2017)
9. Angela Kurth (2017)
10. Jessica Blaxton (2015)
11. Quinn Lathrop (2013)
12. Jeff Brooks (2011)
13. Alissa Russell (2009)

Committee to evaluate paper for Masters requirement

Ian Campbell (2018), Callie Baird (2015)

Quantitative Prelim Exam Committee

Justin Lunningham (2017), Miao Yang (2017), Samantha Anderson (2017), Han Du (2017), Callie Baird (2016), Qian Zhang, Jeff Patton, Zijun Ke, Melissa A. Mitchell, Manshu Yang, Jiyun Zu

Undergraduate student supervised

Emma Strouse (2018 – present; Psychology and ACMS double major)

Emmalyse Daniels (2018- present; Pursuing the data science minor)

Rodolfo Ramos (2018)

William Sogge (2018; Psychology and ACMS double major)

Magaret Schmid (2015-2016)

Mengtian Zhao (2014 - 2015; Ph.D. program at University of Southern California)

Mark Garcia (2014 - 2015)

Madeline Caballero (2014 - 2015)

Jonathan Bosk (2012)

Kaitlyn Egan (2012)

Oscar Gonzalez (2012; Ph.D. at Arizona State University, now working as tenure-track assistant professor at University of North Carolina - Chapel Hill)

OTHER PROFESSIONAL ACTIVITIES

University Committee Activities

- Departmental Service

2018, Self-Study Committee for the decennial departmental external review, Department of Psychology, University of Notre Dame

2018, GPD: Academic Job Market Panel, Department of Psychology, University of Notre Dame

2017, SPF reappointment committee, Department of Psychology, University of Notre Dame

2017, Created two research-based word art clouds and a photobook for Prof. Scott Maxwell's retirement celebration party

2016, Quantitative Psychology Faculty Search Committee, Department of Psychology, University of Notre Dame

2016, Prepared materials for nominating Prof. Scott Maxwell for both the Rev. Charles E. Sheedy, C.S.C. Excellence in Teaching Award and the APA Division 5's Jacob Cohen award for outstanding teaching and mentoring

2008 - 2009 & 2012 - 2015, Undergraduate Studies Committee, Department of Psychology, University of Notre Dame

2009 - 2010, Colloquium Committee, Department of Psychology, University of Notre Dame

- College Service

2017- present, College Council, College of Arts and Letters, University of Notre Dame

- University Service

2017 - present, Quantitative Reasoning Core subcommittee, University of Notre Dame

2016, Inquiry Committee, University of Notre Dame

Other Committees

2017-2018, Organizing committee of the 8th International Forum on Statistics, Renmin University of China