

**Xun Liu, Ph.D.**

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**EDUCATIONAL BACKGROUND**

- **Ph.D. in Educational Psychology**, June 2010 – August 2015, Texas Tech University; Lubbock, TX.  
Dissertation Title: *The Development of an Inventory of Senior's Life Difficulties and Coping Strategies: A Mixed Methods Study*
- **Master of Education: Educational Psychology**, January 2010 – June 2011, Texas Tech University; Lubbock, TX.  
Thesis Title: *The Effects of Cultural Background on ESL College Students' Performance on Reading Comprehension and Recall of Culturally Oriented Texts*
- **Master of Arts: Applied Linguistics**, August 2008 – May 2010, Texas Tech University; Lubbock, TX.
- **Bachelor of Arts: English Language and Literature**, September 2004 – July 2008, Beijing Normal University; Beijing, China.
- **Bachelor of Arts (double major): Chinese Language and Literature**, September 2005 – July 2008, Beijing Normal University; Beijing, China.

**AWARDS and HONORS**

Doctoral Dissertation Completion Fellowship (2014-2015)

*Texas Tech University, Lubbock TX*

AT&T Chancellor's Fellowship (2011-2015)

*Texas Tech University, Lubbock TX*

SERA Dean's Award for Outstanding Paper (2013)

*The Southwest Educational Research Association*

First Place in Arts and Humanities Graduate Student Research Conference (2012, 2013)

*Texas Tech University, Lubbock TX*

Second Place in the Research Poster Competition (2011, 2012)

*Texas Tech University, Lubbock TX*

Excellent Academic Scholarship for Top Ranking (2004-2005)

*Beijing Normal University, Beijing China*

**RESEARCH AND WORKING EXPERIENCES**

**CFSR Methodologist***The Consortium for Family Strengthening Research*

2015-present

- Providing statistics consultation to the Consortium for Family Strengthening Research
- Performing complex data analyses and producing scholarly publications

**Postdoctoral Research Associate, Virginia Commonwealth University**

7/2016 – 6/2019

- Statistical consultant for the Consortium for Family Strengthening Research
- Providing statistics consultation to VCU School of Education faculty and doctoral students for publications and grant applications
- Performing complex data analysis, e.g., longitudinal modeling, structural equation modeling, & multilevel modeling

**Postdoctoral Research Associate, University of Houston**

5/2015 – 5/2016

- Provided statistical and research support for the US DHHS funded grant Project TOGETHER(HHS-2011-ACF-OFA-FM-0193)
- Managed and cleaned Project TOGETHER dataset for research team
- Conducted ROC curve, latent profile analysis, and multivariate analysis using SPSS, Mplus, Stata etc.

**Research Assistant, Texas Tech University**

8/2010 – 8/2014

- Worked for NSF-funded project: West Texas Middle School Math Partnership
- Applied advanced statistical techniques to build predictive models
- Accumulated knowledge and experience in K-12 education through observing and evaluating elementary math classes and teacher practices.

**Internship, IMMAP**

08/2014 – 12/2014

- Internship in the Institute for Measurement, Methodology, Analysis, and Policy
- Identified and traced data discrepancies, verified data accuracy and data completeness and consistency, conducted missing data imputation
- Analyzed regional and national database using various statistical methods, e.g., linear regression, logistic regression, factor analysis, cluster analysis, survival analysis, and simulation

**TEACHING AND WORKING EXPERIENCES**

08/2022 – 12/2022

**Instructor**

- EDUS608 Educational Statistics (online)

Virginia Commonwealth University

01/2019 – 05/2019

**Instructor**

- EDUS660 Research Methods in Education(online) Virginia Commonwealth University

05/2018 – 8/2018

**Instructor**

- EDUS660 Research Methods in Education(online) Virginia Commonwealth University

01/2018 – 5/2018

**Instructor**

- EDUS660 Research Methods in Education(online) Virginia Commonwealth University

08/2017 – 12/2017

**Instructor**

• EDUS660	Research Methods in Education	Virginia Commonwealth University
01/2017 – 05/2017	<b>Instructor</b>	
• EDUS710	Educational Research Design	Virginia Commonwealth University
08/2015 – 05/2016	<b>Adjunct Professor</b>	
• CRIJ4377	Statistics for Research (online course)	Sam Houston State University
09/2014 – 12/2014	<b>Co-Teaching</b>	
• EPSY5380	Introduction to Educational Statistics	Texas Tech University
09/2013 - 12/2013	<b>Teaching Assistant/Grading</b>	Texas Tech University
• EPSY5381	Intermediate Educational Statistics	
08/2012 - 12/2012	<b>Co-Teaching (Teaching Internship)</b>	Texas Tech University
• EPSY5330	Motivation in Educational Settings	
08/2008 – 05/ 2010	<b>Graduate Part-Time Chinese Instructor</b>	Texas Tech University
• LING1500	Beginning Chinese	
• LING 2300	Intermediate Chinese	
• LING4300	Advanced Chinese	

## PUBLICATIONS

### Refereed Publications

1. **Liu, X.** & Li, J. Examining STEM Career Choice of International College Students in the United States (2021). *International Journal of Social Policy and Education*, 3 (2), 15-22.
2. Li, J. & **Liu, X.** (2021). Internet Addiction and Acculturative Stress Among International College Students in the United States (2021). *Journal of International Students*, 11(2). doi: 10.32674/jis.v11i2.2092
3. **Liu, X.**, Wheeler, J. N., Broda, D. M., Daire, P. A., Dominguez, N. V., Griffith, M. S., & Case Pease, J. (2020). Relationship Satisfaction Trajectories among Low-income Ethnically Minority Couples Before and After a Relationship Education Intervention. *Journal of Social and Personal Relationships*, 37(7), 2053–2077. doi: 10.1177/0265407520916203
4. Daire, A., Williams, B., Griffith, S., Wheeler, N., Tucker, K., **Liu, X.**, Broyles, A., Carlson, R., & Spears, N. (2020). Relationship distress in couples with and without reported existing cardiovascular risk factors: Making a case for relationship education. *The Family Journal*, 28(1), 40-47. doi: 10.1177/1066480719896562
5. Daire, A., Tucker, K., Wheeler, N., **Liu, X.**, Williams, B., Regal, R., Peoples, T & Mournouris, T. (2020). Differences in Relational Distress Following RE Intervention for Low-Income Couples With or Without Chronic Illness. *Counseling Outcome Research and Evaluation*, 1-17. doi: 10.1080/21501378.2020.1737518
6. Carlson, R., Wheeler, J. N., & **Liu, X.**, Daire, A.P., & HIPP, C. (2020). The Relationship Between Social Support and Family Relationships Among Low-Income Couples

- Attending Relationship Education. *Family Process*, 59(4), 1498-1516.  
doi:10.1111/famp.12499
7. McKee, S., **Liu, X.**, Truong, D., Meinert, A., Daire, A., & Mire, S. (2020). Use of the Family Adjustment Measure to Identify Stress in Parents of Children with Autism Spectrum Disorder. *Journal of Child and Family Studies*, 29 (2), 592-604.  
doi:10.1007/s10826-019-01569-4
  8. Wheeler, N. J., Daire, A. P., **Liu, X.**, Tucker, K., Griffith, S. M., & Regal, R. (2020). Correlational study of differences in distress following relationship education for individuals with or without illness. *Counseling Outcome Research and Evaluation*, 11(2), 88-103. doi:10.1080/21501378.2019.1663703
  9. Daire, A., **Liu, X.**, Tucker, K., Williams, B., Broyles, A., & Wheeler, N. (2019). Positively Impacting Maternal Stress and Parental Adjustment through Community-Based Relationship Education (RE). *Marriage & Family Review*, 55(3), 239-257.  
doi:10.1080/01494929.2018.1458687.
  10. Daire, A., **Liu, X.**, Wheeler, N., Tucker, K., & Williams, B. (2017). Examining RE and Emotional Distress in Population with Existing Cardiovascular Disease and/or Cardiovascular Disease Risk Factors and Those Without. *The Family Journal: Counseling and Therapy for Couples and Families*, 25(4), 291-300.
  11. **Liu, X.**, Daire, A., Griffith, S., O'Hare, V., Keller-Margulis, M., & Tucker, K. (2017). Validity and diagnostic accuracy of a measure of family adjustment stress in parents with typically developing children. *Journal of Child Custody*, 14(2), 175-190.
  12. Li, J.Q., Wang, Y.L., **Liu, X.**, Xu, Y., & Cui, T.T. (2017). Academic Adaptation among International Students from East Asian Countries: A Consensual Qualitative Research. *Journal of International Students*, 8(1), 194-214.
  13. Carlson, R., Rogers, L. T., Wheeler, N., Kelchner V., Griffith, M. S., & **Liu, X.** (2017). The Continuum of Conflict and Control Relationship Scale (CCC-RS): Psychometrics for a Measure Designed to Discriminate Among Types of Intimate Partner Violence. *Measurement and Evaluation in Counseling and Development*, 50(3), 155-169.
  14. McRae, L., Gonzalez, J. E., Dominguez, V., Daire, A. P., & **Liu, X.** (2018). Factor Analysis and Construction of the Acceptance of Couple Violence Scale. *Measurement and Evaluation in Counseling and Development*, 51(3), 207-218.
  15. Carlson, R., Pease, C. J., Wheeler, J. N., **Liu, X.**, McDonald, J., & Strawn, L. (2017). Characteristics of Couples who attend Family Services Counselor Visits in Relationship Education. *Marriage & Family Review*, 53(1), 48-64.
  16. **Liu, X.**, & Wei, H. (2016). The Effects of Volunteer Service on Chinese College Students' Social Responsibility. *Review of Social Sciences*, 1(1), 50-60.

17. Wei, T. L., **Liu, X.**, & Barnard-Brak, L. (2015). Gender Differences in Mathematics and Reading Trajectories among Children from Kindergarten to Eighth Grade. *Research in Education*, 93(1), 77-89.
18. Qin, L., Chen, C. P., **Liu, X.**, Wang, C., & Jiang, Z. (2015). Health Status and Earnings of Migrant Workers from Rural China. *China & World Economy*, 23(2), 84-99.
19. Harris, G., Stevens, T., Higgins, R., Aguirre-Munoz, Z., & **Liu, X.** (2014). Rigorous math courses for middle-school math teachers. *RCML 2013 Conference Proceedings*.
20. Stevens, T., Aguirre-Munoz, Z., Harris, G., Higgins, R., & **Liu, X.** (2013). Middle level mathematics teachers' self-efficacy growth through professional development: Differences based on mathematical background. *Australian Journal of Teacher Education*, 38(4), 144-164.
21. Li, J. Q., **Liu, X.**, Wei, T., & Lan, W. (2013). Acculturation, internet use, and psychological well-being among Chinese international students. *Journal of International Students*, 3(2), 174-192.
22. Stevens, T., Harris, G. A., **Liu, X.**, & Aguirre-Munoz, Z. (2013). Students' rating of teacher practices. *International Journal of Mathematical Education in Science and Technology*, 44 (7), 984-995.
23. Farley, P. A., Ramonda, K., & **Liu, X.** (2012). The concreteness effect and the bilingual lexicon: The impact of visual stimuli attachment on meaning recall of abstract L2 words. *Journal of Language Teaching Research*, 16(4), 449-466.

### **Manuscripts Under Preparation**

24. Carlson, R., Craven, L. & **Liu, X.** The Interaction of Interpersonal Relationship and Couple Relationship Among Low-income Couples Who Attended Relationship Education.
25. Carlson, R., Wheeler, J. N., **Liu, X.**, & Daire, P. A. A Dyadic Latent Profile Analysis of Relationship Satisfaction and Self-regulation Among Low-income Couples Who Attended Relationship Education.
26. Li, J., & **Liu, X.** Exploring Career Outcome Expectations of International Students: Locus of Control, Perceived Social Support, and Career Decision Self-efficacy.

### **REFEREED CONFERENCE PRESENTATIONS**

#### **National & International Presentations**

- Li, J. & **Liu, X.** (2021). Examine Internet Addiction and Acculturative Stress among International College Students. Poster to be presented at 2021 Virtual AERA Annual Meeting.
- Li, J., Mau, W. J., **Liu, X.** & Zhu, L. (2020). Exploring the Relationships Between Acculturative Stress and Internet Addiction Among International and Domestic University Students in the United States. Poster to be presented at the 2020 AERA Annual Meeting, San Francisco, CA (Conference Canceled).
- Carlson, R., **Liu, X.**, & Wheeler, J. N. (2019). Predicting Wellbeing based on Couple's Relationship Satisfaction: A Latent Profile Analysis. Paper presented at the National Council on Family Relations Annual Conference, San Francisco, CA.
- Liu, X.**, Wheeler, N., Broda, M., Daire, A., O'Hare, V., Griffith, M. S., & Pease, J. (2018). Relationship Satisfaction Trajectories among Low-income Ethnic Minority Couples after Intervention. Paper session presented at the National Council on Family Relations 80<sup>th</sup> Annual Conference, San Diego, CA.
- Carlson, R., Wheeler, J. N., & **Liu, X.** (2018). Impact of Social Capital on Family Relationships for Low-Income Couples in Relationship Education. Poster session presented at the National Council on Family Relations 80<sup>th</sup> Annual Conference, San Diego, CA.
- Truong, D. M., McKee, S. L., Meinert, A. C., **Liu, X.**, & Mire, S. S. (2018). Predicting Parenting Stress in Families of Children with Autism: The Family Adjustment Measure. Poster session presented at the American Psychological Association's 126<sup>th</sup> Annual Convention, San Francisco, CA.
- Gnilka, B. P., Carlson, G. R., Kozachuk, L., Wheeler, J. N., & **Liu, X.** (2018). Couples' Marital Satisfaction and Wellness. Poster presented at the American Counseling Association's Annual Convention, Atlanta, GA.
- Liu, X.**, Gnilka, P., Carlson, R., & Daire, A.P. (2017). Predicting mental health based on couple's marital satisfaction. Poster presented at the National Council on Family Relations Annual Conference, Orlando, FL.
- Daire, A.P., & **Liu, X.** (2017). Examining RE, emotional distress, and cardiovascular disease. Poster presented at the National Council on Family Relations Annual Conference, Orlando, FL.
- Case, J., & **Liu, X.** (2017). Individual distress among inmates serving a short-term jail sentence. Poster presented at the National Council on Family Relations Annual Conference, Orlando, FL.
- Wang, Y., **Liu, X.**, & Borst, S. (2016). An Investigation on Chinese characters typing strategies in computer-mediated communication. Paper presented at the Second Online Chinese Teaching Forum & Workshop, East Lansing, MI.

- Liu, X., Daire, A., Tucker, K., & Williams, B. (2016).** Screening for family adjustment stress in parents with typically developing children. Poster presented at the Annual Meeting of the American Psychological Association, Denver, CO.
- Liu, X., Lan, W., He, Z., Maneesri, K., Li, J., & Cui, T. (2016).** The Development of an inventory of senior's life difficulties, coping strategies, and life satisfaction: A mixed methods study. Poster presented at the Annual Meeting of the American Psychological Association, Denver, CO.
- Tucker, K., Liu, X., Daire, A., & Williams, B. (2016).** Positively impacting maternal stress and adjustment through community-based relationship education. Poster presented at the Annual Meeting of the American Psychological Association, Denver, CO.
- Liu, X., Harris, G., Stevens, T., Aguirre-Munoz, Z., & Higgins, R. (2015).** Professional development to facilitate teachers' mathematics understanding and associated growth in mathematics knowledge for teaching. Poster presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
- Liu, X., Barnard-Brak, L., & Stevens, T. (2015).** Is self-control associated with children's math achievement across time? Paper presented at the Annual Meeting of the National Association of School Psychologists, Orlando, FL.
- Wei, T. L., Liu, X., & Barnard-Brak, L. (2014).** Gender differences in children's mathematics trajectories: Mixed findings in higher and lower achievers. Poster presented at the Annual Meeting of the American Educational Research Association, Philadelphia, PA.
- Liu, X. (2014).** Do self-control and gender make a difference in reading trajectories among children from kindergarten to fifth grade?. Paper presented at the Annual Meeting of the American Educational Research Association, Philadelphia, PA.
- Liu, X., Xiao, F., Koca, F., Sarraj H., & Siwatu, K. O. (2013).** Prospective teachers' culturally responsive teaching and classroom management self-efficacy as a predictor of their perceived career longevity. Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, CA.
- Harris, G., Stevens, T., Liu, X., & Aguirre-Munoz, Z. (2013).** Students' rating of teacher Practices. Paper presented at the 9th Delta Conference of teaching and learning of undergraduate mathematics and statistics, KIAMA, Australia.
- Liu, X., & Lan, W. (2012).** The effects of cultural background on ESL college students' performance on reading comprehension and recall of culturally oriented texts. Paper presented at the Chinese American Educational Research and Development Association Annual International Conference, Vancouver, Canada.

## Regional Presentations

- Liu, X.** (2014). Factors and strategies related to successful aging among American elders. Paper presented at the 37<sup>th</sup> Southwest Educational Research Association Annual Meeting, New Orleans, LA.
- Koca, F., & **Liu, X.**, & Siwatu, K. O. (2013). The Psychometric exploration of the research self-efficacy inventory. Paper presented at the 36<sup>th</sup> Southwest Educational Research Association Annual Meeting, San Antonio, TX.
- Xiao, F., Li, J. Q., & **Liu, X.** (2013). Psychological well-being of Asian international students: A systematic literature review. Paper presented at the 36<sup>th</sup> Southwest Educational Research Association Annual Meeting, San Antonio, TX.
- Xiao, F., Koca, F., **Liu, X.**, Sarraj H., & Siwatu, K. O. (2013). Predicting the career longevity of prospective teachers placed in urban and suburban schools, Paper presented at the 36<sup>th</sup> Southwest Educational Research Association Annual Meeting, San Antonio, TX.
- Sarraj H., **Liu, X.**, Xiao, F., Koca, F., & Siwatu, K. O. (2013). Prospective elementary school teachers' culturally responsive teaching and classroom management self-efficacy as a predictor of their perceived career longevity. Paper presented at the 36<sup>th</sup> Southwest Educational Research Association Annual Meeting, San Antonio, TX.
- Liu, X.**, & Li, J. Q. (2012). Examining relationship of acculturation, internet use, and psychological well-being among Chinese international students in the United States. Paper presented at the 35<sup>th</sup> Southwest Educational Research Association Annual Meeting, New Orleans, LA.

## QUANTITATIVE SKILLS

### National Database Used in Research

- Early Childhood Longitudinal Study-Kindergarten Cohort (ECLS-K)
- High School Longitudinal Study of 2009 (HSL:09)

### Methods

- Multivariate analysis
- Experimental design and analysis
- Factor analysis
- Structural equation modeling (SEM)
- Longitudinal SEM
- Multi-level models
- Latent growth models
- Meta-analysis



- Mixed methods
- Nonparametric methods
- Receiver operating characteristic (ROC) analysis
- Dyadic data analysis
- Mixed growth modeling
- Latent profile analysis

### Statistical Packages

- SPSS
- *Mplus*
- G\*Power
- Stata

### GRANT ACTIVITIES

Investigating the Impact of Elementary School Principals on Students' Language and Literacy Outcomes (2017). Faculty Excellence Fund at Virginia Commonwealth University School of Education. Co-investigator, submitted in October, 2017, not funded.

The Triadic Model Program & Study: Strengthening Families, Economic Stability, and Health Outcomes (2015). Healthy Marriage and Relationship Education Grant Proposal to U.S. Department of Health and Human Services. Number HHS-2015-ACF-OFA-FM-0985. Participated in writing the proposal as a postdoc researcher. Submitted in July, 2015, not funded.

Frenship ISD & Slation ISD. (2012). West Texas consortium race to the top—District proposal to U.S. Department of Education CFDA Number 84.416. Participated in writing the proposal as a research assistant. Submitted in November, 2012, not funded.

### DOCTORAL DISSERTATION COMMITTEE MEMBER

Colon, V. (2018). *International Student Participation in Postsecondary U.S. English Language Programs*. Virginia Commonwealth University.

### SERVICE

#### *National and International Service Activities*

Peer-Review Board Member— <i>Journal of International Students</i>	2014-present
Reviewer— <i>SAGE Open</i>	2019-present
Reviewer— <i>Journal of Child and Family Studies</i>	2017-2021
Guest Reviewer— <i>Measurement and Evaluation in Counseling and Development</i>	2016
Conference Proposal Reviewer— <i>American Educational Research Association</i>	2014
Conference Proposal Reviewer— <i>Southwest Educational Research Association</i>	2012

**PROFESSIONAL MEMBERSHIP**

American Educational Research Association (2014-2015)

American Counseling Association (2018)