

## REZA NOROUZIAN

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UNIVERSITY WEBPAGE: [https://education.utexas.edu/faculty/reza\\_norouzian](https://education.utexas.edu/faculty/reza_norouzian)

GOOGLE SCHOLAR: <https://scholar.google.com/citations?hl=en&user=5B09zr8AAAAJ>

### EDUCATION & POSITIONS

- The University of Texas at Austin (UT), Austin, Texas** **2020 - present**  
*Visiting Assistant Professor of Quantitative Methods, College of Education*
- Texas A&M University (TAMU), College Station, Texas** **2018 - 2020**  
*Postdoctoral Research Associate, College of Education & Human Development*
- Texas A&M University (TAMU), College Station, Texas** **2018**  
*Doctor of Philosophy, Curriculum and Instruction (Distinguished Honor Graduate)*  
 Specialization: *Quantitative Second Language Research Methods*  
 Advisor: [Dr. Michael A. de Miranda](#)  
 GPA: 4.00 of 4.00  
 Dissertation Title: *Methodological Reform in Quantitative Second Language Research: Effect Sizes, Bayesian Hypothesis Testing, and Bayesian Estimation of Effect Sizes*
- Graduate Certificate in Advanced Research Methods (ARM) in Education & Social Sciences** **2017**  
 From: *Research, Measurement & Statistics (RMS) Program, Educational Psychology, TAMU*  
 Specialization: *Advanced Measurement & Quantitative Methods*  
 Advanced Courses in Test Analysis & Quantitative Modeling
- University of Tehran (UOT), Tehran, Iran** **2009**  
*Master of Arts, Teaching English as a Foreign Language (TEFL)*  
 Emphasis: *Instructed Second Language Acquisition (ISLA)*  
 Specialization: *Written Error Correction*  
 Advisor: [Dr. Aliakbar K. Farahani](#)  
 Thesis Title: *EFL Learners' Perceptions, EFL Instructors' Perspectives, and Real Practices on Written Error Correction*

### HONORS AND ACHIEVEMENTS

- [Top 10 Most Cited and Read](#) Article in [Second Language Research](#)**, SAGE Publication **2020**
- Distinguished Honor Graduate, College of Education & Human Development (CEHD), TAMU **2018**  
 ➤ **One doctoral student recognized representing Teaching, Learning & Culture department.**
- College Strategic Research Fellow, CEHD, TAMU **2017-2018**  
 ➤ **13 out of ~700 PhD students in CEHD awarded.**
- College Grad Strategic Scholarship (Research and Travel) **2017-2018**
- Society of Iranian American Women for Education (SIAWE) Scholarship **2015-2017**
- Graduate Strategic Scholarship, CEHD, TAMU **2015-2016**
- Texas Public Education Grant (TPEG) **2014-2015**
- Top-off Award, CEHD, TAMU **2013-2014**
- First-Author Publication Award, CEHD, TAMU **2014**
- Graduate Research Award, CEHD, TAMU **2014**
- Ranking **1<sup>st</sup>**, TEFL PhD Entrance Exam for exceptionally talented students, UOT (acceptance rate: < 1%) **2012**

**PUBLICATIONS**

18. **Norouzian, R.** (in press). Interrater reliability in second language meta-analyses: The case of categorical moderators. *Studies in Second Language Acquisition* (preprint [HERE](#)). [impact factor: 2.838]
17. **Norouzian, R.** (2020). Sample size planning in quantitative L2 research: A pragmatic approach. *Studies in Second Language Acquisition*, 4, 849-870. [impact factor: 2.838]
16. **Norouzian, R.**, de Miranda, M. A., & Plonsky, L. (2019). A Bayesian approach to measuring evidence in L2 research: An empirical investigation. *Modern Language Journal*, 103, 248 – 261. [impact factor: 3.762]
15. **Norouzian, R.**, de Miranda, M. A., & Plonsky, L. (2018). The Bayesian revolution in second language research: An applied approach. *Language Learning*, 64, 1032 – 1075. [impact factor: 3.408]
14. **Norouzian, R.** & Plonsky, L. (2018). Two effect size measures in L2 Research: A cautionary review and guide to more appropriate usage. *Second Language Research*, 34, 257 – 271. [impact factor: 1.750]
13. **Norouzian, R.** & Plonsky, L. (2018). Correlation and simple linear regression in applied linguistics. In Phakiti, A., De Costa, P., Plonsky, L., & Starfield, S. (eds.) *The Palgrave handbook of applied linguistics research methodology* (pp. 395 – 421). U.K., London: Palgrave.
12. **Norouzian, R.**, Eslami, Z., R. (2016). Critical perspectives on interlanguage pragmatic development: An agenda for research. *Issues in Applied Linguistics*, 20, 25 – 50.
11. **Norouzian, R.** (2015). Does teaching experience affect type, amount, and precision of the written corrective feedback?. *Advances in English Language Teaching*, 5, 93 – 115.
10. **Norouzian, R.**, Eslami, Z., R. (2013). Applying teacher feedback: Grounded theory perspective. *Tennessee Foreign Language Teaching Association Journal*, 4, 72 – 87.
9. **Norouzian, R.**, Mehdizadeh, M. (2013). Reading strategy repertoires in EAP contexts: students and teachers in academic reading strategy use. *International Journal of Language Learning and Applied Linguistics*, 3, 5 – 12.
8. **Norouzian, R.**, Eslami, Z., R. (2013). Does synchronous computer-mediated communication improve EFL learners' oral proficiency? *Modern English Teacher*, 22, 40 – 42.
7. **Norouzian, R.** (2013). Teacher feedback: No to one-size-fits-all approach. *Roshd FLT Journal*, 110(3), 44 – 49.
6. **Norouzian, R.**, Eslami, Z., R. (2013). Specialized teacher feedback: Teachers have some say. *ELTWorld Online*, 5, 1 – 22.
5. **Norouzian, R.**, Khomeijani Farahani, A. (2012). Written error feedback: Feedback on feedback. *Journal of Language Teaching and Research*, 3, 11 – 22.
4. **Norouzian, R.** (2013). Feedback at the core of a language class: When it works best. *Humansing Language Teaching*, 15, 1 – 8.

**RESEARCH UNDER REVIEW OR IN PROGRESS (\* denotes equal contribution)**

3. Brown, D., & Liu, Q., **Norouzian, R.\*** (under review). [Written corrective feedback: A Bayesian meta-analysis](#).
2. **Norouzian, R.** (in progress). Modern meta-analysis in L2 acquisition research: A new framework. See [HERE](#).
1. **Norouzian, R.** (in progress). “dint”: Meta-analytic effect size for complex longitudinal designs in L2 research.

**RESEARCH INTERESTS**

- Multi-level Multivariate Growth Models in Psycho-Educational Research
- Meta-analysis of Complex Structure Study Designs
- Bayesian Meta-Analysis for Small-Sized Study Pools
- Sample Size Planning via Accuracy in Effect Size Estimation
- Experimental and Quasi-Experimental Designs
- Reproducibility, Open Science and Methodological Reform in Language Sciences

**INVITED TALKS**

- Bayesian Methods in L2 Research: [Penn State University, Department of Applied Linguistics](#) (Oct., 2020)
- Replication Planning in L2 Research: TAMU, [Department of Teaching, Learning & Culture](#) (Jun., 2018)

**METHODOLOGICAL SOFTWARE DEVELOPED (*how used*)**

- Software for automated equation writing in multi-level models: [equationomatic](#) (*teaching and research*)
- Bayesian Software for L2 research: Author and maintainer of “[bayesL2](#)” R package (*published 2 papers*)
- Bayesian Longitudinal Meta-Analysis Software: Author and maintainer of “[metaling](#)” R package (*2 conference papers + 2 papers in progress*)
- Bayesian t-tests [Online Application](#) (*published 2 papers*)
- Power Analysis [Online Application](#) (*instructional tool*)
- Primary and Replication [Research Participant Planning](#) (*published 1 paper*)
- Innovative software for [Inter-Rater Reliability in Meta-Analysis](#) (*1 paper in press, 1 paper under review*)
- Automated [Posthoc Tests and Effect Sizes for Multi-Level Models](#) (*for grant purposes*)
- Software to Conduct [Latent Regression on Random-Effects in Multi-Level Models](#) (*for grant purposes*)

**COMPUTER LANGUAGES & STATISTICAL SOFTWARE SKILLS**

- General Statistical Software: R [[Advanced R Programmer](#)], SPSS, JASP, STATA, SAS
- Psychometric Software: EduG, IRT-PRO, R
- Causal Model Building Software: *Mplus*, lavaan, AMOS
- Multi-level Modeling Software: HLM, lme4, nlme, glmmTMB, MCMCglmm
- Bayesian inference software: rstanarm, JASP (also see above for my software)
- Power Analytic Software: G\*Power, Optimal Design
- Graphing Software: R, EXCEL, ORIGIN

**GRANT ACTIVITY**

- Co-PI, Promoting Conceptual Development of English Prepositions among University Graduates through Human- and Computer-Assisted Instruction, Hong-Kong Ministry of Research (in progress)

**METHODOLOGICAL COURSE DEVELOPMENT**

- Introduction to Bayesian Research Methods in Education (A Visually Interactive Graduate Course)
  - See syllabus at: <https://osf.io/96fz8/>
- Sample lesson from my [Research Design](#) class
- Sample lesson from my [Hierarchical Linear Modeling](#) class
- Sample lesson from my [Data Analysis, Programming & Simulation in R](#) class.

**COURSES TAUGHT**

- |   |  |
|---|--|
| • Hierarchical Linear Modeling (Graduate)     | • Multivariate Statistics (Graduate)             |
| • Research Design (Graduate)                  | • R Simulation and Programming (Graduate)        |
| • Language Testing and Assessment (Undergrad) | • Experimental Data Analysis (Graduate)          |
| • Foreign Language Pedagogy (Undergrad)       | • ESL I: Second Language Acquisition (Undergrad) |
| • English for Academic Purposes (Undergrad)   | • ESL II: L2 Literacy Acquisition (Undergrad)    |
| • Language Skills: EFL Reading (Undergrad)    | • Academic English Writing (Undergrad)           |

**UNIVERSITY TEACHING EXPERIENCE (11 YEARS)**

- Visiting Assistant Prof., Hierarchical Linear Modeling, Department of Educational Psychology, University of Texas at Austin, 2020-present
- Visiting Assistant Prof., Research Design, Department of Educational Psychology, University of Texas at Austin, 2020-present
- Visiting Assistant Prof., R Simulation and Programming, Department of Educational Psychology, University of Texas at Austin, 2020-present
- Visiting Assistant Prof., Experimental Data Analysis, Department of Educational Psychology, University of Texas at Austin, 2021-present
- Visiting Assistant Prof., Multivariate Statistics, Department of Educational Psychology, University of Texas at Austin, 2021-present
- Lecturer, ESL I, Department of Teaching, Learning & Culture, Texas A&M University, College Station, TX, U.S., 2015-2019 [instructed SLA, reading and writing development, individual differences]
- Lecturer, ESL II, Department of Teaching, Learning & Culture, Texas A&M University, College Station, TX, U.S., 2015-2019 [instructed SLA, curriculum design, language assessment]
- Graduate Teaching Instructor, ESL I, Department of Teaching, Learning & Culture, Texas A&M University, College Station, TX, U.S., 2013-2015 [theoretical second language acquisition, individual differences]
- Lecturer, Azad University, Second Language Research Methods, and Contrastive Error Analysis, Faculty of Graduate Studies, TEFL program, Iran, 2012-2013
- Lecturer, Azad University of Malard, Foreign Language Pedagogy, and Academic English Writing, TEFL program, English Department, Iran, 2010-2013
- Lecturer, Azad University, Language Testing, Language Skills, and Phonology and Phonetics, Faculty of Humanity, TEFL program, Iran, 2009-2013
- Lecturer, Foreign Language Pedagogy, and Language Testing, Modaresane Sharif Higher Education Institute, Iran, 2012-2013

- Lecturer, Shahid Beheshti University of Medical Sciences, English for Medical Purposes, School of Medicine, Iran, 2012-2013
- Lecturer, Tehran University of Medical Sciences, English for Paramedical Purposes, School of Paramedics, 2010-2011
- Lecturer, University of Tehran, English for Engineering Purposes (EEP), Faculty of Engineering, 2009-2010
- Lecturer, University of Tehran, English for Scientific Purposes (ESP), Faculty of Science, 2009-2010
- Lecturer, University of Tehran, English for Management Purposes, Faculty of Management, 2010

### **PROFESSIONAL EXPERIENCE**

- Assessment Consultant, American Councils for International Education, Assessment and Educational Services Division, 2020.
- Instructor, TOEFL iBT and advanced English conversation courses, University of Tehran, Faculty of Foreign Languages and Literatures, Language Centers no. 2 and 3, 2007-2010
- Language test developer and head of the R&D office, Aryana Language Center, Tehran, 2011-2012
- Instructor, English grammar courses, Azad University of Malard, 2010-2012
- Instructor, general English courses, the National Iranian Oil Company (N.I.O.C), office for training and educational development, Iran, 2005-2007
- Instructor, general English conversation courses, University of Tehran, Faculty of Engineering, North Campus, 2007-2008
- Instructor, English writing and general conversation courses, University of Tehran, office of cultural affairs, 2007-2008
- Instructor, special English courses for graduates in chemistry, petroleum engineering and medicine, private tutoring 2006-2009

### **LANGUAGES**

- |                 |  |
|-----------------|--|
| • English       | • Azeri Turkish (advanced)             |
| • Farsi-Persian | • Arabic (Iraqi dialect, intermediate) |

### **PROFESSIONAL SERVICE**

#### ***Journal Article Editor***

- SAGE Open

#### ***Journal Reviewer***

- Language Learning, Applied Linguistics, Studies in Second Language Acquisition

#### ***Conference Proposal Reviewer***

- American Association for Applied Linguistics (AAAL), 2016 - present
- Southwest Educational Research Association (SERA), 2015-2017  
Division III- Methodology, Measurement, and Evaluation
- 5<sup>th</sup> Postgraduate Conference on Issues in TEFL and English Literature, 2012  
Quantitative Research Methods in SLA

**Graduate Mentorship**

- Samatha Shield (2018), PhD Dissertation
- Seo Yeon Park (2019), PhD Dissertation

**PROFESSIONAL DEVELOPMENT**

- ***Mentoring Undergraduates in Research***, certificate awarded by *Honors and Undergraduate Research*, Division of Undergraduate Research, TAMU, Sep. 12, 2014
- ***STATA® Data Analysis and Statistical Software***, five-hour workshop on STATA's analytic capabilities held by *STATA Corporation*, TAMU, Feb. 19, 2016 (by: Chuck Huber, STATA Corp Senior Statistician)
- ***Teaching Assistant Institute Preparation***, certificate awarded by *Center for Teaching Excellence*, TAMU, Aug. 17, 2015 (Code: 2111828)

**CONFERENCE PRESENTATIONS (\* denotes postponement due to COVID-19)**

1. **Norouzian, R.** (2020, March). \*Modern meta-analysis in instructed second language acquisition research: A new Bayesian framework. Paper accepted for the annual meeting of the *American Association for Applied Linguistics (AAAL 2020)*, International Conference, Denver, Colorado, USA.
2. Brown, D., & Liu, Q., **Norouzian, R.** (2020, March). \*Effectiveness of written corrective feedback in developing L2 accuracy: A Bayesian meta-analysis. Paper accepted for the annual meeting of the *American Association for Applied Linguistics (AAAL 2020)*, International Conference, Denver, Colorado, USA.
3. Plonsky, L., & **Norouzian, R.** (2020, March). \*A Bayesian perspective on measuring L2 research findings: An empirical investigation. Paper accepted for the annual meeting of the *American Association for Applied Linguistics (AAAL 2020)*, International Conference, Denver, Colorado, USA.
4. **Norouzian, R.**, de Miranda, M. A. (2019, March). How many participants do I need: An alternative method of sample size planning in L2 research. Paper presented at the annual meeting of the *American Association for Applied Linguistics (AAAL 2019)*, International Conference, Atlanta, Georgia, USA.
5. de Miranda, M. A., **Norouzian, R.**, & Plonsky, L. (2019, March). Why Bayesian methods in L2 Research: A practical guide. Paper presented at the annual meeting of the *American Association for Applied Linguistics (AAAL 2019)*, International Conference, Atlanta, Georgia, USA.
6. **Norouzian, R.**, de Miranda, M. A. (2019, April). Data size planning for multifactor ANOVA designs via adequately narrow confidence intervals for partial eta-squared. Paper presented at the annual meeting of the *American Educational Research Association (AERA 2019)*, International Conference, Toronto, Canada.
7. **Norouzian, R.** & Plonsky, L. (2017, October). An empirical investigation of effect sizes in L2 research: Resolving a long-standing confusion. Paper presented at *Second Language Research Forum (SLRF 2017)*, International Conference, Columbus, Ohio, USA.
8. **Norouzian, R.** (2016, April). (Mis)Applications of Eta- and Partial Eta-Squared in L2 research. Paper accepted at the annual meeting of *American Association for Applied Linguistics (AAAL 2016)*, International Conference, Orlando, Florida, USA.



9. **Norouzian, R.** (2016, February). Two effect size measures in educational research. Paper presented at the annual meeting of *Southwest Educational Research Association (SERA 2016)*, National Conference, New Orleans, Louisiana, USA.
10. **Norouzian, R., & Eslami, Z., R.** (2014, November). *Corrective Feedback: EFL Teachers, Learners and Actual Feedback Practices*. Paper presented at the annual meeting of *American Council on the Teaching of Foreign Languages (ACTFL 2014)*, International Conference, San Antonio, Texas, USA.
11. Eslami, Z., R. & **Norouzian, R.** (2014, April). *Corporate apologies: What makes them effective?* Paper presented at the 19<sup>th</sup> International Conference on Pragmatic Language Learning, Indiana University, Bloomington, Indiana, USA.
12. **Norouzian, R.** & Eslami, Z., R. (2014, February). *No to One-Size-Fits-All Approach: Specialized EFL Teacher Feedback*. Paper presented at the 15<sup>th</sup> *Texas Foreign Language Education Conference (TexFLEC 2014)*, National Conference, University of Texas, Austin, USA.
13. **Norouzian, R.** & Eslami, Z., R. (2013, January). *A Few Considerations in Interlanguage Pragmatics Development*. Paper presented at the 2<sup>nd</sup> International Conference on Language, Discourse and Pragmatics (**LDP 2013**), University of Ahvaz, Ahvaz, Iran.
14. **Norouzian, R.** & Eslami, Z., R. (2012, February). *From writing research to classroom practice: Feedback on feedback*. Paper presented at the 13<sup>th</sup> *Texas Foreign Language Education Conference (TexFLEC 2012)*, National Conference, University of Texas, Austin, USA.
15. **Norouzian, R.** (2011, May). *What does feedback do in L2 writing: An insider perspective*. Paper presented at the 4<sup>th</sup> Postgraduate Conference on Issues in TEFL and English Literature, National Conference, University of Tehran, Iran.
16. **Norouzian, R.** (2007, December). *L2 output in Second Language Acquisition (SLA)*. Paper presented at the 1<sup>st</sup> Postgraduate Conference on Issues in TEFL and English Literature, National Conference, University of Tehran, Iran.