

ANITA ISRANI

Austin, Texas

EDUCATION	UNIVERSITY OF TEXAS Quantitative Methods in Educational Psychology Doctor of Philosophy	Austin, TX
	RICE UNIVERSITY Jesse H. Jones Graduate School of Management Masters of Business Administration	Houston, TX
	UNIVERSITY OF TEXAS Bachelor in Computer Science Minor in Mathematics; Passed the Fundamentals Of Engineering (FE/EIT) Exam	Austin, TX
EXPERIENCE	UNIVERSITY OF TEXAS <i>Assistant Professor of Instruction</i> • Taught <i>Applied Bayesian Analysis, Multivariate Analysis, Statistical Analysis for Experimental Data, Fundamentals of Statistics, Correlation & Regression</i> and <i>Introduction of Statistics</i> to undergraduate and graduate students across various departments within the university. • Oversees the instruction of two lower-division undergraduate classes taught by graduate students. Each course has a maximum of 40 students in it. • Consulted and conducted statistical analyses for a project involving online educational data. • Latest course evaluations ratings: 4.77 / 5.00	Austin, TX
	2016–present	
	UNIVERSITY OF TEXAS <i>Graduate Research Assistant</i> • Formulated various statistical models involving multilevel, longitudinal, cross-classified, and multiple membership data structures. • Co-authored various scientific papers. • Programmed in WinBUGS and R, including RStan (a Bayesian R package).	Austin, TX
	2014–2016	
	1993–ongoing	
	TEST MASTERS EDUCATIONAL SERVICES <i>Operations and E-Learning Manager / Engineering Instructor</i> • Project lead for developing an online e-learning environment for students. • Taught over 5,000 students in various exam preparation courses for the FE/EIT, PE, GMAT, GRE, DAT, OAT, and SAT/PSAT. Most recently taught Mathematics, Probability/Statistics, Computers, and Engineering Economics to engineers. Class size ranged from 20 to 150. • Developed marketing strategies for print and online. Improved web site and e-commerce presence. Total student enrollment increased over 400% while leading marketing efforts. • Developed databases in MS Access to facilitate in-house operations and streamline processes. • Coordinated and supervised all classroom and instructor logistics for classes nationwide. • Received the highest instructor ratings numerous times. Average Rating: 9.7/10.	Houston, TX
	2000–2004	
	BMC SOFTWARE <i>Programs Marketing Analyst</i> • Coordinated, communicated and executed marketing programs for software products. • Worked with various teams to define strategic go-to-market plan. • Maintained budget for marketing programs. Conducted product and market analysis to optimize marketing spend. • Served as the lead project manager for developing and implementing a marketing campaign to broadcast technical educational seminars on the Internet to customers. • Selected for the Corporate Recognition Program for outstanding contributions. The top 2% of the company were chosen to receive this award.	Houston, TX
	1998–1999	
	SOFTWARE EMANCIPATION TECHNOLOGY <i>Applications Engineer</i> • Technical consultant for a development information management solution. • Studied client operations and formulated solutions to optimize development environment. • Presented, demonstrated, and deployed solutions to create an integrated development environment for clients.	Burlington, MA

Software Engineer (Team Leader)

- Member of AIX Build Architecture and Integration team as team leader for the independent service build team.
- Worked with internal customers to integrate and debug applications with AIX (Unix) and developed tools to optimize processes.
- ***Received highest possible performance ratings in second year with company.***

PUBLICATIONS

Harring, J. R., Beretvas, S. N., & **Israni, A.** (2016). A model for cross-classified nested repeated measures data. In J. R. Harring, L. M. Stapleton, & S. N. Beretvas (Eds.), *Advances in multilevel modeling for educational research: Addressing practical issues found in real-world applications*. Charlotte, NC: Information Age Publishing, Inc.

Beretvas, S. N., **Israni, A.**, & Kaplan, A. *Estimation of extensions to the multiple-membership and cross-classified random effects models.*

Israni, A., & Beretvas, S. N. *Bayesian estimation of the indirect effect in a mediation model with cross-classified data.*

Israni, A., & Beretvas, S. N. *Bayesian estimation of a longitudinal mediation model with clustered individuals.*

AWARDS AND PRESENTATIONS

Israni, A. & Beretvas, S. N. (2016). *A Second-Order Parallel Process Latent Growth Model*. Poster and presentation at the annual meeting of American Educational Research Association, Washington, DC in April 2016. ***Selected as one of the Top 9 research proposals for an In-Progress Gala.***

Session presentation titled *Bayesian Estimation of a Longitudinal Mediation Model with Three-Level Clustered Data* at American Educational Research Association in April 2016.

Israni, A. & Beretvas, S. N. (2015). *Bayesian Estimation of the Indirect Effect in a Mediation Model with Cross-Classified Data*. Poster and presentation at the annual meeting of American Educational Research Association, Chicago, IL. ***Selected as one of the Top 9 research proposals for an In-Progress Gala.***

TEACHING EXPERIENCE

Courses taught:

- ***Fundamental of Statistics***: Various statistical methods, such as t-tests, ANOVA, regression, chi-squared, and other statistical methods.
- ***Multivariate Methods***: Various statistical methods, such as MANOVA, Discriminant Analysis, Logistic Regression, Principal Components Analysis, and Factor Analysis.
- ***Statistical Analysis for Experiment Data***: Various statistical methods, such as ANOVA, Factorial ANOVA, Repeated Measures ANOVA, and ANCOVA, .
- ***Correlation & Regression***: Various correlation coefficients, multiple linear regression, coding of categorical variables, moderation, and mediation.
- ***Applied Bayesian Analysis***: Understanding of Bayesian analysis from an applied perspective, and RStan programming language.
- ***Advanced Mathematics***: Analytics geometry and trigonometry, calculus, differential equations, numerical methods, linear algebra (matrix and vector operations)
- ***Engineering Economics***: Time value of money, costs, economic analyses, uncertainty, project selection
- ***Probability & Statistics***: Measures of central tendencies and dispersions, probability distributions, estimation methods, expected value, sample distributions and sizes, goodness of fit
- ***Computers***: Spreadsheets, pseudocode, terminology
- ***Algebra***: Various high school topics
- ***Geometry***: Various high school topics

SERVICE

- Serving on the Social Committee for the Faculty Women's Organization (FWO) for the 2023-2024 year