

Qiuchen Hai

CONTACT INFORMATION

21618 Chaucer Hill
San Antonio, TX 78256

Phone: 210-908-3855
Email: qiuchenhai@gmail.com

ACADEMIC POSITIONS

- Adjunct Faculty (full-time), Department of Computational, Engineering, and Mathematical Sciences, Texas A&M University, San Antonio, TX, 08/2022 - Present.
- Adjunct Faculty (part-time), Department of Mathematical, Physical, and Engineering Sciences, Texas A&M University, San Antonio, TX, 8/2021 - 05/2022.
- Instructor (full-time), Department of Mathematics and Statistics, Texas Tech University, Lubbock, TX, 01/2018 - 05/2019.

EDUCATION

- M.S. in Statistics, Department of Mathematical Sciences, Michigan Technological University, Houghton, Michigan, December 2017.
Thesis Title: On the equivalence between Bayesian and frequentist nonparametric hypothesis testing. *Advisor:* Dr. Jianping Dong.
- A.A. in Accounting, Tri-County Technical College, Pendleton, South Carolina, December 2012.
- B.S. in Statistics, Department of Mathematics and Statistics, Concordia University, Montreal, Canada, December 2008.

TEACHING EXPERIENCE

Texas A&M University-San Antonio 08/2021 - Present

- MATH 0314 Mathematics Support Course for MATH 1314
- MATH 0342 Mathematics Support Course for MATH 1342
- MATH 1014 College Algebra Recitation
- MATH 1042 Intro Statistics Recitation
- MATH 1314 College Algebra Coreq
- MATH 1314 College Algebra
- MATH 1342 Introductory Statistics
- MATH 1342 Introductory Statistics Coreq

Texas Tech University 01/2018 - 05/2019

- MATH 2300 Statistical Methods
- MATH 2300 Statistical Methods (Online)
- MATH 2345 Introduction to Statistics with Application to Business (Online)
- MATH 2345 Introduction to Statistics with Application to Business

GRADUATE COURSES TAKEN

- Linear Algebra
- Graduate Research in Mathematics
- Mathematical Statistics II
- Mathematical Statistics II
- Computational Statistics
- Advanced Research Integrity
- Applied Predictive Modeling
- Linear Models

- Probability
 - Multivariate Statistical Methods
 - Regression Analysis
- PUBLICATIONS
3. F. Chen, **Q. Hai** and M. Wang (2023+). Bayesian hypothesis testing for equality of high-dimensional means using cluster subspaces. In press. *Computational Statistics* [pdf].
 2. R. Alotaibi, E. Almetwally, **Q. Hai** and H. Rezk (2022). Optimal test plan of step stress partially accelerated life testing for alpha power inverse Weibull distribution under adaptive progressive hybrid censored data and different loss functions. *Mathematics* 10(24), 4652 [pdf].
- PREPRINT
1. Q. Hai and M. Wang (2023+). On the equivalence between Bayesian and frequentist nonparametric hypothesis testing. (*Working paper*)
- PROFESSIONAL ACTIVITIES
- 2022 National Numeracy Network Fall Meeting (Quantitative Reasoning), The University of New Mexico, Albuquerque, New Mexico (Hybrid), October 21- 23, 2022.
- PROFESSIONAL DEVELOPMENTS
- Postsecondary Instructor Microcredential (PIM) Training, 2022-2023
Badges earned: Building Community in an Online Environment (July 2022), Growth Mindset for Math (October 2022)
 - Association of College and University Educators (ACUE) Course Taker, 2021-2023
Faculty Professional Development - *Effective Teaching Practices Series*
- COMMITTEE SERVICE
- Mentor, Faculty Advising program for incoming freshman students, Texas A&M University-San Antonio, 2022-2023.
 - Donor, Adopt-A-Family holiday program, Texas A&M University-San Antonio, 2022.
 - Instructor, First-Year Experience - Learning Communities paired with First-year seminar class, Texas A&M University-San Antonio, Fall 2023.
- PROFESSIONAL SERVICE
- Ad-hoc Reviewer for International Journal of System Assurance Engineering and Management, 2023 - Present.
- INDUSTRY EXPERIENCES
- Career Advisor**, Michigan Technological University, Houghton, MI. 06/2016 - 08/2017
- Provided resume/cover letter critiques and interview skills training.
 - Assisted and guided undergraduate students through occupational exploration and the career decision-making process.
 - Assisted with logistical and administrative details for career fairs.
- Accounts Payable**, Michigan Technological University, Houghton, MI. 10/2015 - 05/2016
- Processed blank order invoices, check requests related to accounts payable.
 - Answered phones to respond vendor inquires and payment information.
 - Entered and linked financial documents to the Banner system.

Fiscal Technician, Cash and Treasury Services, Clemson University, Clemson, SC.
01/2012 - 06/2013

- Processed cash receipt transmittals related to account receivables.
- Reconciled, backed up, and balanced of cash accounts.
- Sorted and prepared outgoing mail of receipt transmittals.
- Performed remote deposit capture in computer system.

SKILLS

- Learning Management Systems: Blackboard, Canvas, Google Classroom Course.
- Software: MyMathLab, ALEKS, QuickBooks, and L^AT_EX.
- Statistical Software: R, SAS, SQL, SAS Enterprise Guide.
- Microsoft Office (Word, Excel, PowerPoint).
- Google suite (Docs, Sheets).
- Zoom, WebEx platforms.
- Excellent oral and written communication skills.