

Jessica Wickersham

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Professional Summary

Avid mathematics and statistics educator with five years undergraduate teaching experience. Certified in secondary math education. Proven record of engaging students in the art of data science as a Statistics Lecturer. Adept statistical analyst, programmer, and educational content creator. Excellent communicator and devoted mentor.

Core Strengths

- Passionate educator
- Superior presentation skills
- Technical: Canvas, Excel, SPSS, Zoom, Panopto
- Strong logical and analytical skills
- Relationship building & mentorship
- Programming: HTML, Java, LaTeX, R, Stata

Experience

Southern Methodist University, Dallas, TX

Lecturer

Aug 2022 – Present

- Teaching STAT 2331 online and in person to 190 undergraduate students/term, using Excel
- Teaching STAT 3300 in person to 60 undergraduate student/term, using R
- Coordinating curriculum and instruction intro stats for roughly 650 students/term
- Programming banks of randomized graded assessments to promote academic integrity
- Supervising three graduate students/term as they run labs and grade assessments

Subject Matter Expert

Oct 2021 – July 2022

- Developed fully online STAT 2331 course to be taught in Intersessions using best practices
- Collaborated with multimedia and instructional design experts to meet Quality Matters standards

Visiting Lecturer

Aug 2020 – July 2022

- Taught STAT 2331 online and in person to 270 undergraduate students/term
- Programmed banks of automatically graded assessments for increased efficiency
- Created an Excel instruction manual & practice data set to aid student proficiency
- Supervised six graduate students/term as they ran labs, graded, and coded assessments

July 2020

Adjunct Lecturer

- Taught STAT 2331 introductory statistics online via Zoom & Canvas to 30 undergraduate students
- Recorded lectures in Panopto for flexible asynchronous viewing and hosted synchronous Q&A sessions
- Supervised graduate assistant coding homework sets into Canvas, reducing time spent grading papers

Educational Testing Service, Louisville, KY

Advanced Placement (AP) Statistics Reader

Jun 2008, 2021 – 2022

- Scored AP statistics exams according to provided rubric; 1131 students at rate of 30 students/hour

Various Community Organizations, DFW metro, TX

Volunteer Teacher, Tutor, & Mentor

- Co-taught English conversation classes to international graduate students at UT Dallas 2019-2020
- Mentored international graduate students through UT Dallas Int'l Friendship Partner program 2011-2020
- Co-taught intermediate ESL course to immigrants at Woodcreek Church BEST program 2012-2013
- Tutored junior high and high school math students at 2435 Kinwest Community Center in Irving 2009-2010

Texas A&M University, College Station, TX

Lecturer

Sep 2007 – Jul 2009, Spring 2020

- Taught STAT 302, creating Excel StatTools instruction manual & practice data set to aid student proficiency
- Designed rubric for three-part course project, enabling students to retain learning and catch mistakes early
- Used HTML to code homework sets into WebAssign, reducing time spent grading papers

Assistant Lecturer

Jun 2006 – Aug 2007

- Taught STAT 302, leading 250 students/semester to discover biostatistical concepts through active learning
- Created resource packet for AP Statistics Summer Institute, including data, sample homework sets, and rubrics
- Provided live chat support for teachers attending the AP Statistics Summer Institute remotely via internet

Graduate Assistant – Teaching

Aug 2005 – May 2006

- Taught STAT 303, explaining intermediate statistical concepts to 50 undergraduate students per semester
- Supervised a non-teaching graduate assistant and composed examinations to assess content knowledge

Welch Consulting, College Station, TX

Statistical Intern

May 2005 – Jul 2005

- Cleaned and analyzed data using Stata; summarized findings to be reported by expert witnesses at trial

Education

- EdD Higher Education Policy & Leadership; Southern Methodist University, Dallas, TX Expected 2026
- MS Statistics, 4.00GPA; Texas A&M University, College Station, TX 2006
- BS Education: Secondary Mathematics, 3.95GPA; John Brown University, Siloam Springs, AR 2004

Awards & Honors

- HOPE Professor of the Year, Southern Methodist University 2021
- General Electric Fellowship for Science recipient, Texas A&M University 2005-2006
- Regents' Fellowship recipient, Texas A&M University 2004-2006
- Initial Teacher's License, Arkansas Department of Education 2004
- Highest Ranking Graduate, Natural Science Division, John Brown University 2004
- Recognition of Excellence in Mathematics: Content Knowledge, Education Testing Service 2003