TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Amanda N. Walker Title: Senior Lecturer

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
MS	2014	Texas State University	Mathematics	
BA	2008	Texas State University	Philosopy and Political Science	

C. University Experience

Position	*University*	*Comments*	*Dates*
Adjunct Assistant Professor	Austin Community College		July 2015 - December 2021

E. Other Professional Credentials (licensure, certification, etc.)

State of Texas Teaching Certification. (June 2012 - Present).

Additional Comments: Mathematics 8-12

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Recipient: Nontenure Line Faculty Workload Release.
October 2021 - May 2023
Workload release acceptance-1.PNG
Additional Comments: Awarded 12/2021 and will begin the release in Spring 2023

Award / Honor Recipient: Teaching Excellence Award, Texas State University.
December 2, 2022

December 9, 2016

Award / Honor Recipient: College of Science and Engineering 2017 College Achievement Award for the Excellence in Teaching.
August 24, 2017

B. Courses Taught:

Texas State University:

HON 2380J - APPLY STATIS WORLD

MATH 1300 - ELEMENTARY ALGEBRA

MATH 1312 - COLLEGE STAT & ALG

MATH 1312 - COLLEGE STATISTICS & ALGEBRA

MATH 1315 - COLL ALGEBRA

MATH 1316 - SURV CONTEMP MATH

MATH 1329 - MATH BUS & ECO II

MATH 2311 - PRINC OF MATH I

MATH 2328 - ELEMENTARY STATISTICS

MATH 2328 - ELEMENTARY STATS

MATH 2417 - PRE-CALCULUS MATH

QMST 2333 - BUS STAT

Austin Community College:

Math 1314 - College Algebra

Math 1342 - Introductory Statistics

Math 1414 - College Algebra for Precalculus

Math 1316 - Trigonometry

D. Courses Prepared and Curriculum Development:

Applying Statistics to Your World, HON 2380J Honors course, New Course, Texas State University. Taught: 2016 - Present.

F. Other:

Advisor to student submitting project to national student competition, Undergraduate Statistics Competition, American Statistical Association. (December 15, 2016).

Continuing Education, NSF Rossman and Chance Workshop, National Science Foundation. (September 29, 2023).

Additional Comments: Online statistics workshop, 1.5 hours, using applets to teach key topics.

Continuing Education, Data Analytics Block 4, Texas State University. (2022 - January 2023).

Continuing Education, Data Analytics Pathways Block 1, Texas State University. (August 2022 - December 2022).

Continuing Education, Data Analytics Pathways Block 2, Texas State University. (2022 - December 2022).

Continuing Education, Faculty Development Series: Introduction to Bayesian Statistics Using STATA, Texas State University. (October 13, 2022).

Probability Lesson for visiting San Marcos High school students at the Graduate Open House, Graduate Math Open House. (2015).

G. Teaching Professional Development Activities Attended

Seminar, "Teaching Statistics Education Seminar," Texas State University. (August 2014 - Present).

Additional Comments: Collaborate with statistics educators on resources, materials, technology, and pedagogy. Review and piloting of new textbooks and online homework platforms.

Conference Attendance, "Electronic Conference on Teaching Statistics (ECOTS)," CAUSE. (May 23, 2022 - May 26, 2022).

Additional Comments: Online conference on teaching statistics

Conference Attendance, "United States Conference on Teaching Statistics," National Institute of Statistical Sciences, State College, PA, United States. (May 18, 2017 - May 20, 2017).

Seminar, "STEM Faculty Learning Community Luncheon," NSF. (January 13, 2017).

Workshop, "Rising Stars STEM Faculty Summer Learning Community," NSF, NASA, Texas State University, San Marcos, TX, United States. (May 25, 2016 - May 27, 2016).

Attendance at the STEM Faculty Summer Learning Community-2.pdf

Conference Attendance, "Electronic Conference on Teaching Statistics," Consortium for the Advancement of Undergraduate Statistics Education. (May 16, 2016 - May 20, 2016).
attending eCOTS 2016-1.pdf

Conference Attendance, "United States Conference on Teaching Statistics," National Institute of Statistical Sciences, State College, PA, United States. (May 28, 2015 - May 30, 2015).

Workshop, "Teaching the Statistical Investigation Process with Randomization Based Inference," Consortium for the Advancement of Undergraduate Statistics Education, San Antonio, TX, United States. (January 2015).

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

3. Conference Proceedings:

a. Refereed Conference Proceedings:

White, A., Guyot, L., & Walker, A. N. (2018). Data In Search of a Context: An Icebreaker Activity. In *International Statistical Institute*. The Netherlands. Retrieved from https://icots.info/10/proceedings/pdfs/ICOTS10_9K1.pdfhttps://icots.info/10/proceedings/pdfs/ICOTS10_9K1.pdf
ICOTS10_Data In Search of Context-1.pdf

b. Non-refereed:

https://icots.info/10/?contributed=C290
Challenges for Independent Student Projects A Perspective of the Teacher-1.doc

10. Other Works in Print:

Lesson Plans:

Walker, A. N. (2017). *The Egg Roulette Game*. *Statistics Education Web*. American Statistical Association.
EggRoulette9-12August2017-1.pdf

B. Works Not in Print:

2. Invited Talks, Lectures, and Presentations:

Walker, A. N. (lead author), Guyot, L., White, A., Czocher, J., Ioudina, V., United States Conference on Teaching Statistics 2017, "Data Collection for Independent Student Projects: Case Studies," CAUSE, Penn Stater Conference Center Hotel, Penn Stater, PA. (November 2016).

Data Collection for Independent Student Projects-1.docx

Walker, A. N., Mathematics Education Seminar, "Exploring the Law of Large Numbers and Sampling Distributions through the Egg Roulette Game and Simulations," Texas State University, San Marcos, TX, United States. (September 30, 2016).
Egg Roulette Power Point-1.pptx

Walker, A. N., Sorto, A., Graduate Math Open House, "Discovering Probabilities in the Egg Roulette Game.," Texas State University, San Marcos, TX. (October 2015).

Walker, A. N., "Analysis of Mathematics Teacher Training and Effects on Knowledge for Teaching," Texas State University, San Marcos, TX, United States. (April 2013).

5. Other Works not in Print:

c. Other Works Not in Print:

Demonstrations:

Walker, A. N., Electronic Conference on Teaching Statistics, "Decline of Arctic Sea Ice Regression Models," CAUSE, Online conference. (May 23, 2022).

Posters:

Walker, A. N. (Presenter), White, A., U.S. Conference on Teaching Statistics, "Exploring the Law of Large Numbers through the Egg Roulette Game in Fathom," Consortium for the Advancement of Undergraduate Statistics Education, Penn Stater Conference Hotel, State College, PA, United States. (May 19, 2017).
Exploring the Law of Large Numbers-1.pdf

Walker, A. N., White, A., Guyot, L., Ioudina, V., Czocher, J. A., U.S. Conference on Teaching Statistics, "Data in Search of a Context: An Icebreaker Activity," Consortium for the Advancement of Undergraduate Statistics Education, The Penn Stater Conference Center Hotel, State College, PA, United States. (May 18, 2017).

Walker, A. N., Ioudina, V., Graduate Math Open House, "From Central Limit Theorem to Confidence Intervals," Texas State University, San Marcos, TX, United States. (October 2015).

Ioudina, V., Walker, A. N., Graduate Mathematics Open House, "Hypothesis Testing: From Misconnections to Connections," Math Department, Texas State University, San Marcos, TX, United States. (October 16, 2015).
Poster 1-1.pdf

Ioudina, V., Walker, A. N., Graduate Mathematics Open House, "Statistical Simulations: From Central Limit Theorem to Confidence Interval," Math Department, Texas State University, San Marcos, TX, United States. (October 16, 2015).
Poster 2-1.pdf

Walker, A. N., Ioudina, V., Graduate Math Open House, "Hypothesis Testing: From Misconnections to Connections," Texas State University, San Marcos, TX. (May 2015).

Walker, A. N., Ioudina, V., United States Conference on Teaching Statistics, "Hypothesis Testing: From Misconnections to Connections," State College, PA, United States. (May 2015).

E. Scholarly / Creative Professional Development Activities Attended:

Continuing Education Program, "Data Science Pathways: Block 2 Mathematics of Data Science," TXST Continuing Education ZEUS. (November 1, 2022 - December 2022).

Additional Comments: Continuing education in data analytics using R

Continuing Education Program, "Data Science Pathways Block 1: Data in Society," TXST Continuing Education ZEUS. (October 1, 2022 - October 31, 2022).

Additional Comments: Data Science Pathways is a 10 block continuing education program in data analytics

Seminar, "Introduction to Bayesian Statistics using STATA," STATA. (October 13, 2022).

Seminar, "Some algebraic geometry in applications," Math Department Colloquium. (November 15, 2019).

IV. SERVICE

A. Institutional

1. University:

Member, Performing Arts Committee. (August 2022 - December 2024).

Additional Comments: Review applications for performing arts activities for the University

Faculty Volunteer, Bobcat Preview. (2016).

Faculty Advisor, Street Workout. (2015).

Faculty Volunteer, Bobcat Preview. (2015).

2. College:

Member, Honor Code Council Member. (September 1, 2021 - Present).

Member, College of Science Undergraduate Scholarship Committee. (November 2020 - December 2023).

3. Department/School:

University Mentor. (2022 - Present).

Additional Comments: Mentor to graduate student in 2022, and mentor to lecturer in 2023

Co-Chair, Math 1312 Teaching Forum. (2019 - Present).

Participant, Teaching Statistics Education Seminar. (2014 - Present).

Additional Comments: Review pilot textbooks and online homework platforms. Make recommendations to the curriculum committee for implementation of new textbooks for Math 2328.

Member, Listening Committee. (September 1, 2021 - August 2022).

Graduate Advisor, Teaching Mentor for Graduate Instructional Assistant. (August 2021 - August 2022).

Member, Award Committee. (2014 - August 2021).

University Mentor, Teaching Mentor to Lecturer. (August 2017 - December 2019).

Awards Day Ceremony Volunteer to Pass Out Award. (April 2019).

Participant, 8th Annual Graduate Open House. (November 10, 2017).

Table Host, 8th Annual Graduate Open House. (November 10, 2017).

Table Host, Graduate Math Open House. (2016).

Math Department Representative, Bobcat Day. (November 19, 2016).

Leader of Lesson for High School students, Graduate Math Open House. (2015).
Additional Comments: led probability lesson and activity for high school students

Lecturer Liaison, Graduate Math Open House. (2015).

Member, Textbook Selection Committee for Math 1312. (2015).

Math Department Representative, Bobcat Day. (August 2015).

Math Department Representative, Bobcat Day. (January 2015).

B. Professional:

Reviewer / Referee, Statistics Education Research Journal. (March 2020 - April 2020).
AuthorResponseSERJ MS 19-022-1.docx
SERJ MS 19-022R1blind-1.pdf

Reviewer / Referee, Statistics Education Research Journal. (August 2019 - September 2019).
Referee Summary-1.pdf
Request for Referee-1.pdf

Reviewer / Referee, Proceedings of the 10th International Conference on Teaching Statistics, Kyoto, Japan. (December 2017 - January 9, 2018).
Service Documentation Referre for ICOTS and SERJ-1.pdf

Attendee / Participant, NSF funded introductory statistics assessment project. (January 2015 - May 2017).

Additional Comments: Focus on gaining a better understanding of potential differences in student learning between traditional and simulation/randomization-based introductory statistics courses. I have participated in 3 semesters. My students take precourse and postcourse surveys. I embed questions from the authors of the NSF grant in my final and send them to the authors. I complete a survey about how I taught the class.

Reviewer / Referee, International Association for Statistical Education Satellite Conference. (May 2015).

C. Community:

Volunteer, Southwest English Setter Rescue. (2014 - Present).

Additional Comments: Foster dogs

Participant, Society for Animal Rescue and Adoption (SARA), Seguin, TX. (April 8, 2023).

D. Organization Memberships:

American Statistical Association (ASA). (August 1, 2016 - Present).

Consortium for the Advancement of Undergraduate Statistics Education (CAUSE). (September 1, 2015 - Present).