



RAZ: Rebecca A. Zárate, MA
Ms-RAZ@utexas.edu

Education

PhD Student of Education in Quantitative Methods Fall 2020
University of Texas at Austin, Austin, TX
Master of Education in Quantitative Methods Aug. 2018-Dec. 2020
University of Texas at Austin, Austin, TX
GPA: 3.9
Master of Art in Clinical Psychology Jan. 2008-May 2010
University of Texas-Pan American, Edinburg, TX
Thesis: "Does the Manipulation of a Canine Tail Aid in Extinguishing Phobic Behavior?"
GPA: 4.0
Bachelor of Science in Biology and Psychology July 2004-Dec. 2007
University of Texas-Pan American, Edinburg, TX
GPA: 3.79 Magna Cum Laude, Rank: 17/806

Teaching Experience

Assistant Instructor of Educational Psychology
The University of Texas at Austin, Austin, TX Fall 2019-2020
EDP308: Statistical Literacy
Lecturer of Communication Sciences and Disorders
The University of Texas at Austin, Austin, TX Fall 2016-2017
CND386: Research Methods in Comm/Sci Disorders
Audiology (AuD) student, graduate course
CND393: Measurements in Comm/Sci Disorders
Speech Language Pathology (SLP) student, graduate course
Adjunct Faculty of Psychology
St. Edward's University, Austin, TX Jan. 2017-2018
PSYC-3383: Experimental Psychology
PSYC-4343: Independent Research
Faculty advisor to six students conducting research projects
PSYC-4348: Learning and Cognition
Park University, Austin, TX Aug. 2013- May 2015
PS121: Human Growth and Development
PS309: Human Sexuality
PS383: Applied Behavior Analysis
PS401: Abnormal Psychology
PS402: Current Psychotherapies
PS408: Cognitive Psychology
SO220: Ethics in Social Science Research
SO206: Social Issues in Contemporary Society
SO300: Research Methods
University of Texas-Pan American (UT-RGV), Edinburg, TX Aug. 2010-Dec. 2010
PSYC-2222: Psychometric Testing in Psychology
Instructor of Cognitive Psychology
Johns Hopkins Center for Talented Youth Program June 2016, 2017
COGN: Cognitive Psychology, Seattle, WA and San Rafael, CA
Three-week intensive residential course for gifted and talented youth, ages 12-16
Teaching Assistant
The University of Texas at Austin, Austin, TX Spring 2018



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EDP 371: Introduction to Statistics

The University of Texas at Austin, Austin, TX

Spring 2015, 2016

PS341K: Electrophysiology of the Human Mind

The University of Texas Pan American, Edinburg, TX

Spring 2009

PSYC: 6325 Conditioning and Learning

Guest Lecturer

The University of Texas at Austin, Austin, TX

Aug. 2015

PS341K-8 Learning and the Brain

"The Principles of Applied Behavior Analysis (ABA) and Autism"

Research Experience

Graduate Research Assistant

"Understanding the burden of asthma among residents of Travis County, an in-depth epidemiologic assessment"

Jan. 2019- Current

Dept. of Population Health and Pediatrics, UT-Dell Medical School

Analyzing Texas Health Care Information Collection (THCIC) data related to asthma hospitalizations and outpatient visits with Dr. Elizabeth Matsui

Independent Research

Performance of Log Response Ratio with Autocorrelated Data

Summer 2019

Dept. of Educational Psychology, University of Texas at Austin

Assessing the performance of the log response ratio through simulations with Dr. James Pustejovsky

Principal Investigator

"The Fidgeting Assessment Battery"

Aug. 2016- Current

Dept. of Communication Sciences and Disorders, University of Texas at Austin

Creating a scale to assess fidgeting behavior

Research Lab Coordinator

"Brain Stimulation and Electrophysiology Lab"

Jan. 2013- June 2015

University of Texas at Austin and Seton Healthcare Family, Austin, TX

Assisted PI in developing experimental, IRB, and grant protocols for various electrophysiological projects in conjunction with affiliated hospitals (Seton and St. David). Organize and maintain records. Create experimental stimuli. Serve as a liaison between the PI, colleagues, and students.

Graduate Thesis Project

May 2010

"Does the Manipulation of a Canine Tail Aid in Extinguishing Phobic Behavior?"

University of Texas-Pan American, Edinburg, TX

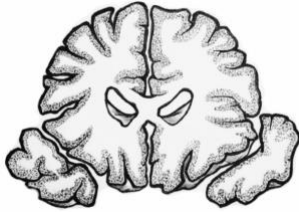
Conducted a multiple baseline regression with embedded reversal design to test the effect of proprioception manipulation on canines exhibiting submissive behavior. An ethogram was used to measure the rate of behavior. Intervention consisted of a custom posterior tail harness I developed which was funded by the Psychology Graduate Department.

Behavioral Neuroscience Research Teaching Assistant

June 2009-May 2010

University of Texas-Pan American, Edinburg, TX

Taught lab for a graduate course, BCBA Concepts and Principles of Behavioral Analysis (Skinner box training), and maintained lab which included duties in animal husbandry and maintenance of OSHA, USDA, and IACUC standards.



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Additional Research Skills

Programming:

R for Data Science,
Python, Pythonista (iOS platform),
MPlus
SPSS

Monte Carlo simulations

Experience with:

Magstim Rapid2 (TMS) and Polaris Vicra Optical Measuring System

Awards

<i>University of Texas at Austin: New Texas Scholars Award</i>	Fall, 2020-Spring ,2021
Awarded \$20,100 fellowship for graduate school (PhD)	
<i>University of Texas at Austin: Graduate Student Teacher Award</i>	March 6, 2020
Speaker at the Graduate Teaching Showcase	
Awarded \$100	
<i>Best Research Potential Award: Hack for Resilient Communities</i>	Aug. 2018-2019
Event using public data sets to develop research proposal in six hours	
Awarded \$50	
<i>University of Texas at Austin: South Texas Scholarship</i>	Aug. 2018-2019
Awarded \$40,000 fellowship for graduate school (M.Ed)	
<i>University of Texas at Austin: Psychology Department</i>	Dec. 2015
<i>Award for Art and Neuroscience Outreach</i>	
Awarded \$1,500 for commissioned neuroscience art pieces	
<i>Woman's Board International Study Scholarship</i>	Summer 2008,2009, 2010
Awarded \$1,500, \$1,000, and \$1,000 for three study abroad trips	
<i>International Program Board Scholarship</i>	July 2008, July 2009, May 2010
Awarded \$1,600, \$600, and \$350 for three study abroad trips	
<i>Excellence Scholarship</i>	Aug. 2004, 2005, 2010
Awarded \$1,000	
<i>Dean's List</i>	July 2004- Dec. 2007

Clinical Experience

<i>Autism Tutor and Respite Provider</i>	Aug. 2014- Aug. 2017
Provide respite services, support, and additional tutoring in academics and social skills for nine-year-old child with autism and her family.	
<i>Applied Behavior Analysis (ABA) Therapist</i>	June 2012-June 2014
Center for Autism and Related Disorders (CARD), Austin, TX	
Implement ABA therapy techniques with children on the autism spectrum while systematically and extensively tracking behavioral data.	
<i>Clinical Counseling Intern</i>	Jan. 2010-May 2010
UT-Pan American Counseling and Psychological Services, Edinburg, TX	
Provided therapy for students with a focus on behavioral modification, which included creating and maintaining confidential reports constructed from DSM-IV-TR criteria.	



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Science-Art & Graphic Design

Artist in Residence

Cerebraphile: An Interactive Science-Art Installation

The University of Texas at Austin, TX

Dec. 2015- current

An exhibition distributed over four floors in the Sarah M. and Charles E Seay (SEA) Psychology Building including over 50 brain illustrations, projection photography, and interactive exhibits that invite viewers to engage with their own and each other's cerebrums.

Featured Artist

These Walls Can Talk II (The Hope Outdoor Gallery) Austin, TX

March, 2017

An art book featuring graffiti artists who have work at the Hope Outdoor Gallery (graffiti park).

"N" The Human Brain Project (HBP) Magazine, Geneva, Switzerland

Sept. 2015

Featured artist for HPB magazine, including seven individual neuroscience oriented drawings and paintings.