

Megan Botello

Newark, Delaware 19711

Education

Current Doctoral Student

Learning Sciences, Education Department

University of Delaware

2021 Bachelor of Arts

Cumulative GPA: 3.8

Major: Psychology

Major GPA: 3.98

Minor: Counseling

Nevada State College

2018 Associate of Science

Southern Utah University

Research skills

- R, SPSS Statistics and Statistical Analyses (e.g., correlations, t-tests, ANOVA)
- Excel and Microsoft Word Proficiency
- Qualtrics and Programming online Surveys

Research experience

University of Delaware – Graduate Assistantship

IES Fractions Lab with Dr. Nancy Jordan

- For this project, we are examining the efficacy of a Fraction Sense Intervention Grounded in principles from the science of learning. Our goals are to develop an effective intervention for middle school students who struggle with fraction understanding as well as develop a usable intervention for classroom teachers or interventionists as a tier 2 or tier 3 intervention.

August 2021 - Present

Duties and Responsibilities

Aid in preparing many aspects of the intervention through PowerPoint lessons, iPad assessments, and teacher training materials. Assessing

students and collecting data, overseeing undergraduate research assistants, presenting, and training teacher participants and assessors. Quantitatively and qualitatively collect, code, and interpret data, transcription, research writing.

Nevada State College – Research Lab Member

Social Psychology Lab with Dr. Laura Naumann, Ph.D.

- Our lab is investigating gender and racial differences in faculty service work and scholarly productivity among tenure-track faculty at NSC. Our goal is to develop recommendations to implement or revise policy or create new practices that will improve the retention and recruitment of female faculty and faculty of color at NSC.

Aug 2020 – Aug 2021

Duties and Responsibilities:

Creating and managing Qualtrics surveys, putting together and presenting a poster for WPA 2021, conducting literature review for manuscript and grant proposal.

Nevada State College – Advanced Research Methods Course

What Impacts Math Anxiety: Examining Growth Mindset, Parental Support, & Teacher Support

Research under the direction of Laura Naumann, Ph.D.

- Motivated by my experience and my interest in growth mindset, I chose to study what factors increase or decrease math anxiety. I hypothesized that students with a fixed mindset were more likely to have greater math anxiety, as well as students who have had less parental and teacher support were more likely to have greater math anxiety.

Aug 2020 – Dec 2020

Duties and Responsibilities:

Conducted an independent research study examining how a growth mindset and positive parent/teacher interaction affect math anxiety, coordinated participant recruitment through multiple platforms, programmed online survey using Qualtrics software and analyzed data using SPSS, prepared, and presented findings through a poster presentation.

Poster presentations

Botello, M., Petras, R., Carrillo-Marroquin, A., Glover, M., Benson, W., & Naumann, L. P (2021, April). Gender Differences in Academic Faculty Workload. Poster presented at the Western Psychological Association 2021 virtual conference.

Carrillo-Marroquin, A., Glover, M., **Botello, M.**, Petras, R., Benson, W., & Naumann, L. P (2021, April). Cultural Differences in Perceptions of Organizational Justice among Academic Faculty. Poster presented at the Western Psychological Association 2021 virtual conference.

Botello, M. (2021, April). What Impacts Math Anxiety: Examining Growth Mindset, Parental Support, & Teacher Support. Poster presented at Nevada State College, Henderson, NV.

Botello, M., Petras, R., Carrillo-Marroquin, A., Glover, M., Benson, W., & Naumann, L. P (2021, April). Gender Differences in Academic Faculty Workload. Poster presented at Nevada State College, Henderson, NV.

Carrillo-Marroquin, A., Glover, M., **Botello, M.**, Petras, R., Benson, W., & Naumann, L. P (2021, April). Cultural Differences in Perceptions of Organizational Justice among Academic Faculty. Poster presented at Nevada State College, Henderson, NV.

Relevant Work Experience

April 2019 - May 2021 Course Assistant for Elementary Algebra, *Nevada State College – Academic Success Center*

Duties and Responsibilities:

Creating lesson plans for supplemental instruction, facilitating supplemental instruction, developing trusting relationships with students, improving study skills, peer mentoring, attending training on establishing peer mentor relationships, fostering successful outcomes for students, meeting with faculty to coordinate efforts, identifying students of concern for possible intervention by faculty and staff, increased first year retention by 30%, presenting and participating on student panels.

Leadership Experience

May 2020 – May 2021 Officer in NSC Psi Chi International Honor Society in Psychology
Advisor: Roberta Miranda, M.S.

Duties and Responsibilities:

Facilitate bi-monthly meetings, plan and execute numerous club and community outreach events, member recruitment, hold induction ceremonies.

Volunteering

2019 - Junior Achievement volunteer

2019 - Registered Behavior Technician – The Lovaas Center

2018 - Math and Science tutor at Cedar North, and Cedar East Elementary Schools

2018 - Volunteered 40 hours at Doctors' Volunteer Clinic of St. George

awards and accomplishments

2021 – Won 1st and 3rd place for my poster presentations at Nevada State College

2019-2020 (4 semesters) - President's Honor List every semester at NSC

2019-2020 (4 semesters) - Silver State Opportunity Grant (a merit-based scholarship)

2019 - Nevada State College General Scholarship

2020 - Barnes and Noble Scholarship

2019 – 2020 - Nevada State Access Grant

2016 – 2018 - Regents Scholarship Award

2019 – 2020 - Presidents Scholarship

2016 - DES scholarship

2019 – 2020 - International Honor Society of Psychology

2018 - National Society of Collegiate Scholars

2020 - IRB Ethical Guidelines Training and Certification

2019 – 2020 - President of the NSC Table Tennis Association

2019 - West Regional Women's Table Tennis Champion

Professional References

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