



Laura Christine Walters

Dissertation Defense
College of Education
Department of Educational
Leadership
EdD, Developmental Education
Administration

The Relationship Between Multiplication Fact Automaticity, Mature Number Sense, Mathematics Anxiety, And Mathematics Success: A Community College Study.

The purpose of this quasi-experimental dissertation study was to test the hypothesis that mathematics anxiety, multiplication fact automaticity (MFA), and mature number sense (MNS) predict student success in developmental and entry-level mathematics courses for students at a community college in the upper Midwest. Ordinal logistic regression analyses were conducted separately on both groups. Both models were statistically significant in predicting a passing letter grade of A, B, or C. MANOVAs were conducted to determine differences between groups by gender and race/ethnicity. Both were statistically significant.

Event Information

Date: April 3, 2023

Time: 9:00 AM

Location: Zoom

Committee Members

Linda Reichwein Zientek, PhD

Susan Troncoso Skidmore, PhD

Peggy C. Holzweiss, PhD



Sam Houston State University

PUBLIC DEFENSE ANNOUNCEMENT