Lack of women in STEM has been the subject of abundant research, primarily focusing on stereotypes and their effects on the attitudes of females towards math and science. However, a topic which has not been adequately investigated in this context is math anxiety. I will discuss a case study of female high school students which sought to connect math anxiety to the factors of stereotypes and mindset, with the goal of fitting math anxiety into the broader picture of females and math.

The Math Habits Tool
Christina Koehne and Taylor Baumgard

The Math Habits Tool is serving as the primary analytic tool for the Using Technology to Capture Classroom Interactions grant (DRL-184114). The focus of the tool is capturing student and teacher discourse (with timestamps) during mathematics lessons. In this presentation, we will introduce the tool, share how we have been coding with this tool, and conclude with what research questions we are trying to answer.

Daniel Lee is a current high school senior. He was a participant at the Honors Summer Math Camp at Texas State and his research on math anxiety was mentored by Dr. Warshauer of Texas State University.

Taylor Baumgard is in her 2nd year of the Mathematics Education doctoral program at Texas State University. Her research interests include studying mathematics education at the undergraduate level and discourse in the mathematics classroom.

Christina Koehne is presently in her 5th year of the doctoral program at Texas State University studying Mathematics Education. Her research examines how future elementary teachers support mathematical practices whilst interacting with students, and how those supports align with their understandings and noticing.