2023-2024 EREA Awardees, Mentors, and Labs/Projects

EREA student Kyra Doherty worked with Dr. Leslie DeChurch as a coder on a meta-analysis summarizing the correlation between team virtuality and well-being. Team virtuality, as a concept, encapsulates the many ways modern-day professionals have been able to work remotely, including video calls, emails, and instant messaging. This project seeks to understand how working virtually affects one's mental well-being including their overall satisfaction with their job as well as their perceived efficacy in the workplace. As a coder, I learned the importance of isolating the variables in many different studies to see an overall bigger picture, which is the meta-analysis.

EREA student Jesslyn Im worked with Dr. Duri Long on a project that centers around speculative design, exploring the future of generative AI in terms of engagement with creativity and culture in the current environment.

EREA student Lucy Madsen worked with Dr. Marisha Speights on a pilot study looking at the accuracy of screening measures for identifying speech and sound disorders in minoritized children. They compared the CELF and PLS screeners and found that there is fewer overlap between the children identified for further testing by each screener than would be expected.

EREA student Supraja Sudarsan worked with **Dr. Noshir Contractor** on a project that involved understanding on how increased crew autonomy affects space missions by investigating the relationship between mission control and crew members. As part of the Science of Networks in Communities (SONIC) lab, I assisted in collecting data from NASA's Human Exploration Research Analog (HERA), which simulates the isolation and confinement experienced during deep space travel.

EREA student Lynette Suk worked with Dr. Mercedes Spencer on a project that consisted of entering data regarding students' mathematics and literacy achievements on the Partnership for Assessment of Readiness for College and Careers (PARCC) assessment for Illinois schools. The data entered, which were the geolocation identifiers of the school addresses, allowed us to merge neighborhood economic resources and achievement scores. This helped us understand the impacts of differing neighborhood qualities on education outcomes.

EREA student Lydia Voss worked with Dr. Courtney Scherr on phase three of the eMERGE study. This project analyzes disclosures of genetic changes to participants to determine and share the best practices for physician and patient communication, ultimately aiming to enhance patients' ability to make informed healthcare decisions.

EREA student Elise Yee worked with Dr. Yingdan Lu on how AI-assisted emotion-nudging interventions reduced the susceptibility of AI generated misinformation. We explored this by creating a platform that simulated a content feed for participants to scroll through news headlines and posts testing how warnings for misinformation played a part in stopping the spread.