MathWorks® Day
at Northeastern University

Wednesday, March 20, 12:00–3:00 pm
Raytheon Amphitheater, 240 Egan

Seeking Humanity via Technology: How AI Can Be Used to Reduce Maternal Mortality by Louvere Walker-Hannon
1:00–1:30 pm

Maternal mortality continues to be a global issue however, studies over the past 5 years identify a growing alarming trend in the United States with respect to maternal mortality. According to several studies from the Centers for Disease Control, "Black women are three times more likely to die from a pregnancy-related cause than White women". Many of these same studies have also acknowledged that most pregnancy-related deaths are preventable and that this alarming trend continues to grow. This session will entail providing an overview of historical approaches to this issue. The emphasis of this presentation will identify that Artificial Intelligence (AI) could be used to reduce maternal mortality and how AI could be used to reduce maternal mortality.

Bio: Louvere Walker-Hannon is a MathWorks application engineering senior team lead who provides technical guidance and strategic direction on AI/data science workflows for various applications. She also leads a team of application engineers. She has a bachelor's degree in biomedical engineering and a master's degree in geographic information technology/remote sensing. She has presented at several STEM-related conferences on various topics and serves as an avid STEM advocate. Louvere volunteers with Black Girls CODE, the Society of Women Engineers (SWE), and the National Society of Black Engineers (NSBE). She is also a recipient of the SWE WE Local 2022 Engaged Advocate Award and is a second-year SWE Senator. In 2023, Louvere was highlighted as one of Boston University's College of Engineering Distinguished Alumni and identified as one of the 10 Most Inspiring Women Driving Technological Progress, in volume 11 of The Silicon Leaders magazine.

Lunch 12:00–1:00 pm
Poster Session and Demonstrations 1:30–3:00 pm