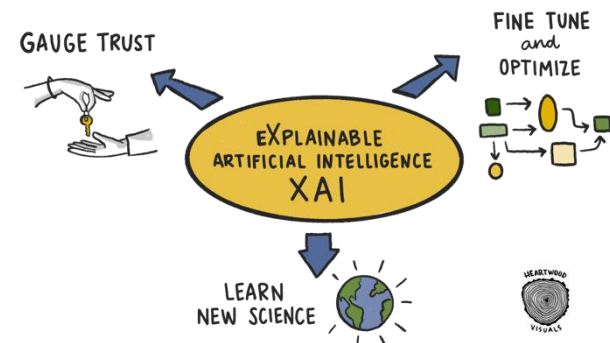
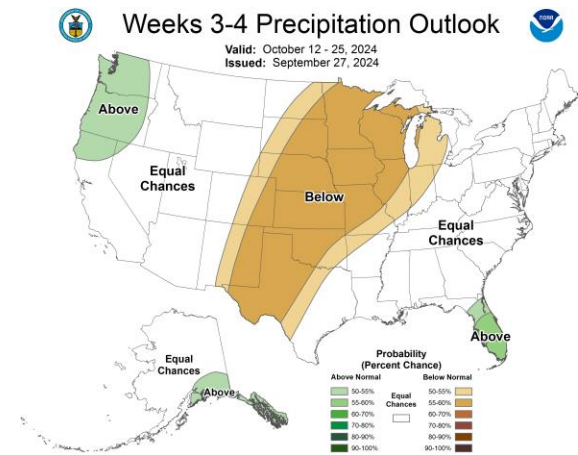


# Improving Week 3-4 Precipitation Forecasts via Explainable Machine Learning

- Project aims to develop a real-time forecasting tool to improve U.S. Week 3-4 precipitation forecasts with uncertainty quantification
- Machine learning methods will be applied to identify when, where, and why forecasts can be considered forecasts-of-opportunity
- Includes collaborative efforts with the NOAA Climate Prediction Center



Student will be co-advised with  
Dr. Emily Becker ([emily.becker@miami.edu](mailto:emily.becker@miami.edu))