

Pilot Project: Using Artificial Intelligence to Identify and Predict ADRD Risks

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Abstract

Alzheimer's Disease and Related Dementia (ADRD) has the highest prevalence in the African American community. Sadly, African Americans have little knowledge about ADRD and limited access to diagnostic assessment, preventative care, and consultation. Little research has been focused on African Americans and ADRD. While decision tree models have aided in successful outcomes in previous research studies that investigate ADRD, none have been used to evaluate ADRD in African Americans in South Carolina. Using decision tree models to examine existing health datasets, this project focuses on understanding the determinants (sociocultural, behavioral, and environmental) of ADRD for African Americans in South Carolina; distinguishing those determinants from those for other races; and using the findings to predict the risk of ADRD for African Americans in South Carolina.