

Title:

Using AI in the diagnosis of mental health conditions

Abstract:

This talk will cover work on using AI as a clinical decision support tool for mental health conditions, with a focus on adult ADHD and suicide risk assessment. This work was done collaboratively with a clinical unit of the UK's National Health Service (NHS), and has resulted in developing new technological solutions. From an AI perspective, the research is interesting because it had to address various requirements (in terms of accuracy and explainability) and because we are using a hybrid AI approach: a combination of a machine learning and a knowledge-based model. We will also touch upon the development of a disease-specific knowledge graph and its potential use in clinical decision making.