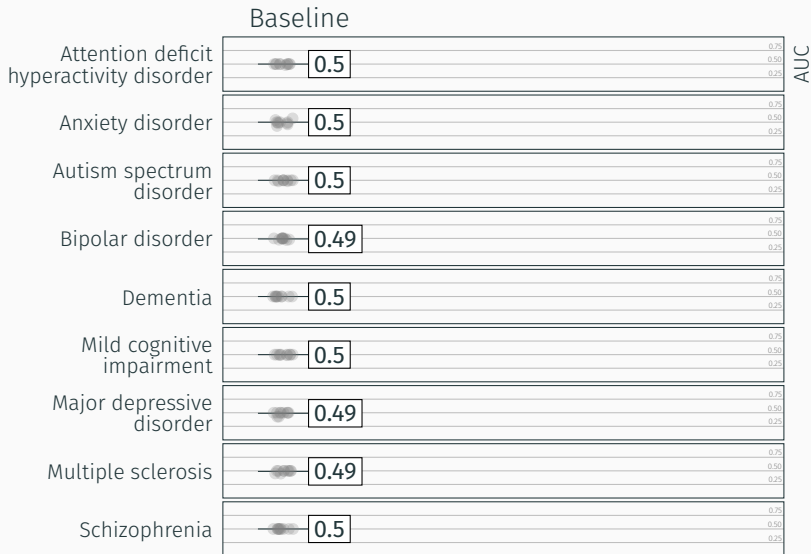
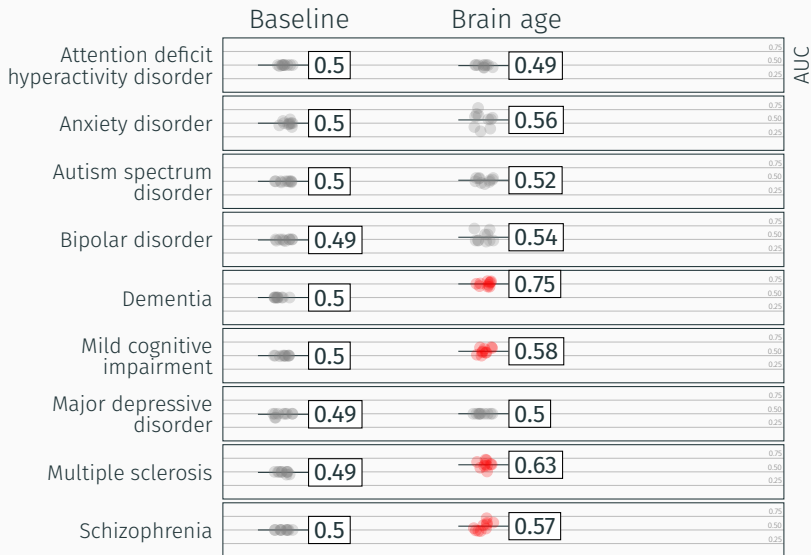


Understanding the brain with explainable artificial intelligence

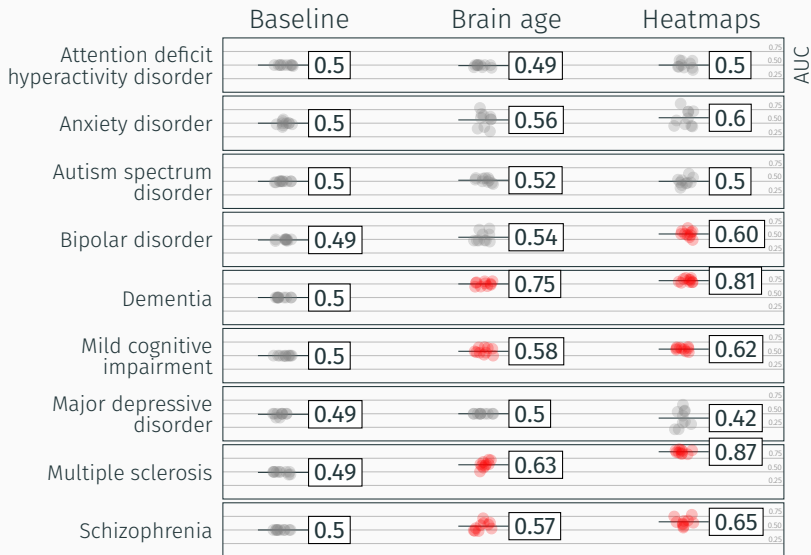
# Explainable AI: Results



# Explainable AI: Results



# Explainable AI: Results



# Explainable AI: Results



# Summary

- Neuroimaging data is complex and clinical datasets are often small, making it complicated to learn the visual patterns characteristic of complex disorders.
- Brain age modelling is a promising approach to learn a clinically useful abstraction of the brain from population data.
  - Lacks the specificity need for clinical utility.
- Explainable AI allows us to localize patterns of deviating aging
  - Yields higher discrimination for many disorders.
  - Allows for biological interpretations of the.

