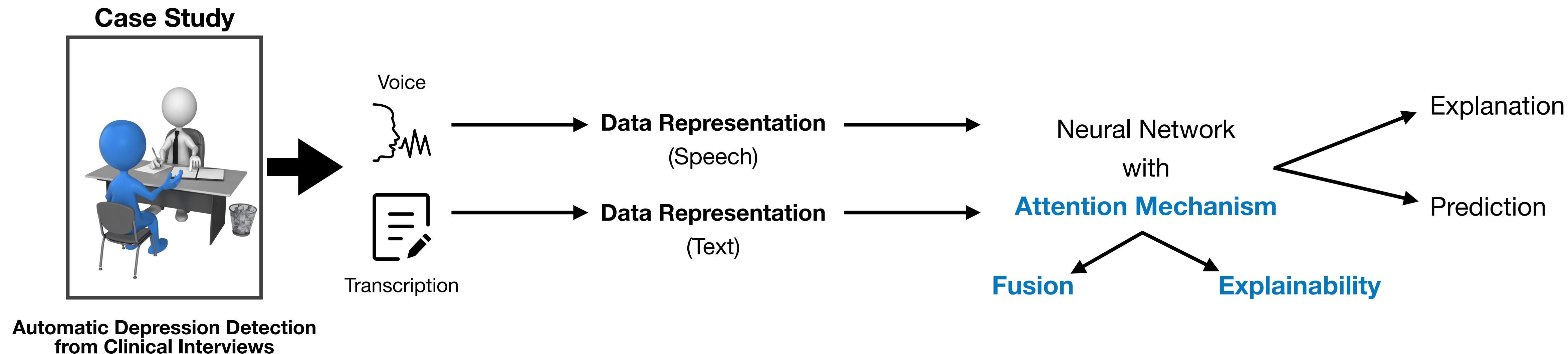


Developing Interpretable Multimodal Neural Architectures



Research Plan and Expected Outcomes

1st Year

A method for encoding potentially long speeches as observed in clinical interviews

An algorithm for coping with multimodal data scarcity

2nd Year

Designing an explainable attention-based fusion mechanism

Designing a method for deriving human-readable descriptions from attention weights

3rd Year

Human evaluation of an explainable multimodal deep learning model for Automatic Depression Detection and model refinement