Bachelor/Master Thesis:

Cognitive Modeling and Machine Learning for Attention Prediction

- Setting:
  - We want to predict a person’s state of attention in a complex activity
  - Record sensor data (eye gaze) and apply machine learning
  - Use cognitive model to make predictions based on psychological theory

- Tasks:
  - Combine a cognitive model of graph comprehension task with a machine learning model of attention
  - Use combined model to predict distractions
  - Collect data to optimize the models

- Requirements:
  - Good programming skills (preferable Python or LISP)
  - Knowledge in machine learning and/or cognitive modeling
  - Interest to work on an actual research question

- When: As soon as possible

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