

Weekly Project SCRUM Report
Date:04/09
Project Name: Drift Diffusion Models of children's interactions in a Repeated Prisoner's Dilemma Game
Team Members: Team 1 Brendan Leap Andrew Coughlan Maha Alrashed Jessica Chen Abhishek Samal
Tasks Completed This Week: <ul style="list-style-type: none"> - Made a Naive Bayes model to predict aggression scores using the responses. - Modified regression models to evaluate decisions within the context of the choice made by the partner in the previous round. <ul style="list-style-type: none"> - Account for reaction times and decisions in same model - Discussed Bayesian model with Professor Galletti, and the professor thought it might not be a good fit - Debugged LSTM model <ul style="list-style-type: none"> - Went to Prof. Galletti's office hour for help - Meeting with PM on Friday <ul style="list-style-type: none"> - Discussed the data with Steve Backman and Gowtham Asokan. Reached the agreement that the size of the data is too small and no clear pattern can be seen from preliminary analysis
Plans for Next Week: <ul style="list-style-type: none"> - Continue building LSTM model - Make a decision tree model for predicting the Aggression Scores - Potentially try transformers
Obstacles and Questions: <ul style="list-style-type: none"> - Small dataset → possible overfitting - Still have technical difficulty with LSTM and Bayesian model
Met with the client recently? When is the next meeting with the client?: Met with Jane on 04/09. Next client meeting on 04/16.