SCRUM report week 3

Date: 03/26/21

Project Name: Drift Diffusion Models of Iterated Child's Prison Dilemma (Team 2)

Team Members:
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Tasks Completed This Week:
- Added RMSE's to our regressions to more accurately compare fits
- Added a correlation matrix including all characteristics and relative decision count
- Used Lasso regularization for variable selection
- In interpreting plots from next week, found that there existed positive relationship between relative reaction time and relative decision time, implying definitively that the DDM is not a good fit for this data
- Working on researching a deep learning model for the data (investigating use of an LSTM)

Plans for Next Week:
- Redo our same analysis but on the cooperative partner rounds exclusively
- Continue research on deep learning model
- Improve data visualization with Tableau

Obstacles and Questions:
- Do we have enough data to train and test a deep learning model?
- Should we be incorporating partner past round decision, and how can we do that?

Met with the client recently? When is the next meeting with the client?:
We meet next week with the client