Motivation

Our motivation for this project is to further Jane's work on making robots better able to comprehend and generate language that complies with linguistic norms.

Hypothesis

We predict that adding elements of dialogue categorization: determining the subject (addressing the speaker or other player), motivation (providing or requesting information), and intent (explaining, clarifying, informing, or acknowledging) of each sentence, when inputted into a machine learning algorithm, will allow the algorithm to make an increased number of statistically significant linguistic predictions as compared to Jane's work.

Approach

Our Approach: In order to further Jane's work on making robots better able to understand and generate language that complies with linguistic norms, we worked in teams of two to annotate six scripts of data previously obtained from experiments, determining the intent (whether it is an explaining, clarifying, informing, or acknowledging statement), speaker (whether the statement is addressing the speaker or another player), and type (whether the sentence is providing or requesting information) of each statement. Next, we "cleaned" each script, by splitting statements for which two or more intents were present.