**Computational Human Behavior Modeling**

**Assignment 3 Due: April 03rd, 2019; 11:59 pm**

**Task:**

In this homework, you will work on building initial models of human behavior from language.

**Dataset:**

Two examples of chat room conversations from Assignment 1.

This data set was collected by asking participants to discuss which is the best candidate for a job. There are multiple participants in each conversation.

**Question 1:** (5 points) Read each conversation and determine who (according to you) are the top two most influential persons in each conversation. Write 1-2 sentences explaining why you made that decision. (Note: there are no right or wrong answers for this question, per se, but the answers should make sense given your explanation).

**Question 2:** (40 points) Implement the Topic Control measure from class lecture. You should implement at least 2 indicators that we discussed in class. Run these measures on each conversation and rank order each participant based on your results. Do the results match your answers in Question 1? Why or why not?

**Question 3:** (50 points) Implement at least one additional measure of Influence, based on your understanding or from prior literature. If you are using any prior literature, please cite that as reference. (Note: measures of network centrality might help here). Run this measures on each conversation and rank order each participant based on your results. Do the results match your answers in Question 1? Why or why not?

**Question 4:** (5 points) What did you learn from this exercise about modeling Influence? Write 3-4 sentences describing your experience.