* Questions
  + THESIS: how to evaluate multiple models’ correlations when cross validating ??? do you just do it all of them
    - Answer: I think the best way of doing it to fit one model with all the data and analyze that. The problem is choosing features with the testing data?
* Things to Do:
  + Modeling Collaboration
    - Thesis start EM from different spot (Maybe I am just at a local minimum?)
      * THIS DOESN’T HELP AT ALL
  + Understanding the Network
    - Creating random networks with different assumptions to see if they recreate the properties
      * Scale Free
        + Won’t work most likely because of the artificial constraint on only working with a few students
      * Preferential Attachment
        + Changing probability of attachment by fitness

Here would be grades?

* + - * Modeling how ties change by starting with base network and adding or removing a tie
      * Subgraph Census could be a good way to figure it out
      * Important properties we would want to see
        + component distribution
        + segregation by gender
        + stability of most ties
    - Modeling spread, how many people would need to figure out the answer
    - Modeling how Network Changes over time
      * Thesis: logistic regression if each tie exists at each point in time
  + Imputing Grades?
* Write-up
  + Section on Modeling the Network
    - Model with Access to Everything
    - Modeling with Access to Everything but an individual’s grades on other assignments
    - Modeling with access only to network information no ties
    - Baselines
      * Guess 0 for every person (last two models)
      * Guessing individual averages (First model)