

Psychology 465A  
Final Assignment

For this assignment, worth 40% of your mark, please implement a simulation of a psychological theory and compare it with data (or at least speculate what the data would be) based on published research. The easiest approach would be to implement a more complicated (or at least substantially changed) example of one of the three shorter assignments, using the published literature as a guide. More difficult, but more satisfying, would be to implement a theory from a published paper, either one that has been formally specified or one that is only informal (bigger challenge). It's ok to implement a model that has already been simulated, but go further than simply replicating the published simulations. Then write up the results of your simulations and you comparison with data (quantitative comparisons, e.g., Chi-squared tests, are ok too) in a short essay - no more than 10 pages - and submit it along with your program and the raw simulation results, hopefully by the due date (as I have to mark it before Christmas). Include in your essay a description of your simulation program and an argument as to why it represents a valid simulation of the theory. We will spend the last week of class time discussing this project. I will be available until 16 December whenever you can find me (usually most available around lunch time) for consultation on your project if you need it.