1. Reading:


2. Homework due 5pm Tues of week 12:

The folder [http://www.stat.columbia.edu/~gelman/arm/examples/speed.dating/](http://www.stat.columbia.edu/~gelman/arm/examples/speed.dating/) has data from an experiment on a few hundred students in which each participant was randomly assigned to 10 short dates with participants of the opposite sex (Fisman et al., 2006). For each date, each person recorded several subjective numerical ratings of the other person (attractiveness, compatibility, and some other characteristics) and also wrote down whether he or she would like to meet the other person again.

In the previous two assignments, you have displayed the data and you have fit models to the data. Now is the time to combine these. From each of your fitted models, simulate several replicated datasets and display each replicate in the same way you displayed your data.

Compare the observed and replicated datasets, both graphically and via numerical summaries and p-values.

You are allowed to use new models and new displays for this assignment if you have some better ideas beyond what you did in the earlier assignments.