

Course Projects

The typical course project (individual or group of size 2-3 both ok) will involve the following:

- Pick a real-world (or simulated?) network dataset (or datasets). Can be one of the ones we are using in class; can be something else that interest you.
- Come up with an improved algorithm for: link prediction, function label prediction, community detection, or some other problem of your choice that makes sense for your dataset
- Measure the performance of your algorithm against existing algorithms in cross validation

Milestones:

- Oct 8 and 13: we will spend a little bit of class time in breakout groups helping people decide what to work on..
- Once you have picked your dataset, SUBMIT by October 23 the answer to the following questions: who collected the dataset? are there any other papers that have been published about this data? Who has permission to use this data, and under what circumstances. This should be sent in an email to cowen AT cs.tufts.edu
- Week of Nov 3: Be prepared to present your plan for your project to the class in class. We will all offer collective feedback and try to help!
- December 1, 3,, 8, and 10: In class project presentations, with slides
- By December 15: final project writeup submitted to Prof. Cowen