AMSC/MATH 420, Spring 2015
Second Project on Modeling Epidemics: Nonlinear Cost Functions

Whereas other teams will assume that the cost of an intevention strategy is a linear function of the removal parameters, this team will develop and use more realistic cost functions that exhibit diminishing returns – spending twice as many resources generally will not yield twice as many removals – and see how their optimal intervention strategies compare with the optimal strategies for linear cost functions.