AMSC/MATH 420, Spring 2015
First Project on Modeling Epidemics: Geographical Dependence of Parameters

Oral presentation due Tuesday March 24
Written presentation due Thursday March 26

Start by downloading monthly AIDS diagnoses data for the entire U.S. and for the Oakland reporting area. The goals of this project are to develop and test methods for fitting parameters of a modified SIR model (to be discussed further in class) to the data, to find parameters that best fit the two data sets assigned to you and those for several other western U.S. cities, to interpret and compare the parameters found for different cities, and to quantify how the parameters correlate with demographic information about the cities.