Homework #6, Spring 2013 (due April 17th)

Refer to Homework5-2013.pdf as needed.

Conduct a Bayesian analysis of the logistic regression assignment for homework #5 (using the same data)

1. What priors are you using for the paramters?
2. Implement the Metropoplis Hastings sampler and conduct at least 2 MCMC simulations from very different starting points. Save the sampled parameter values to a comma-delimited or tab-delimited text file/
3. Use the CODA package in R to calculate the Gelman and Rubin convergence diagnostic on your output (I'll talk about this diagnostic in class on Wed. Apr. 10), and report whether or not your MCMC runs appear to have converged.
4. What is the 95% credible interval for the slope?