Programs and Data for
Introduction to Applied Bayesian Statistics and Estimation for Social Scientists

This directory contains the programs and the data used in in the book. All data are in freefield ASCII format. You may need to change the name of the data in each `R` program.

Program	Program Purpose	Data?	Data Set Name
p83.r	inversion sampling, linear density	NO	
p85.r	rejection sampling, linear density	NO	
p90.r	Gibbs sampling using inversion, planar density	NO	
p96.r	Gibbs sampling using rejection, planar density	NO	
p99.r	Gibbs sampling, bivariate normal density	NO	
p102.r	Gibbs sampling, $\mu\|\sigma$ and σ, normal density	YES	education.dat
p103.r	Gibbs sampling, $\mu\|\sigma$ and $\sigma\|\mu$, normal density	YES	education.dat
p115.r	Random Walk Metropolis (RWM) sampling, linear density	NO	
p119.r	RWM sampling, correlation parameter	NO	
p124.r	Gibbs/RWM sampling, bivariate normal	NO	
p127.r	Gibbs sampling, bivariate normal (matrix approach)	NO	
p168.r	RWM sampling, OLS regression	YES	olsexamp.dat
p171.r	Gibbs sampling, OLS regression (full conditionals)	YES	olsexamp.dat
p173.r	Gibbs sampling, OLS regression (composition)	YES	olsexamp.dat
p199.r	Gibbs sampling, dichotomous probit	YES	bookdead.dat
p222.r	Gibbs sampling, ordinal/polytomous probit	YES	bookheal.dat
p237.r	Gibbs sampling, hierarchical model (election data)	NO	
p245.r	Gibbs sampling, basic random effects (RE) model	YES	internetexamp.dat
p246.wb	Gibbs sampling, RE model in WinBugs	YES	internetexampwb.dat
p248.wb	Gibbs sampling, RE model in WinBugs	YES	wagessexwb.dat
p250.wb	Gibbs sampling, random intercept model in WinBugs	YES	wagessexinterwb.dat
p253.wb	Gibbs sampling, random coefficient model in WinBugs	YES	wagessexinterwb.dat
p255.wb	Gibbs sampling, random coefficient model in WinBugs	YES	wagessexinterwb.dat
p259.wb	Gibbs sampling, growth model in WinBugs	YES	gcexampwb.dat
p276.r	Gibbs sampling, multivariate regression	YES	mvnexamp.dat
p285.r	MVN sampling using conditional decomposition	NO	
p286.r	truncated MVN sampling: decomposition vs. naive methods	NO	
p297.r	Gibbs samplinig, multivariate probit	YES	mvnprob.dat1
p302.r	Posterior Predictive Simulation from probit	YES	use output from p297.r
p308.r	Gibbs sampling, multivariate probit	YES	mvnprob.dat2
p312.r	Multistate life tables	YES	use output from p308.r