Prior information p1 ~ uniform(0, 0.5); cutoff_outlier.csv

The MCMC Procedure

Number of Observations Read	68
Number of Observations Used	68

Parameters

Block	Parameter	Sampling Method	Initial Value	Prior Distribution
1	w	Inverse CDF	1.0000	binary(l)
2	l	Conjugate	0.5000	beta(1,1)
3	cp1	N-Metropolis	8.0000	uniform(1,15)
	cp2		5.0000	normal(5,sd=1)
	p1		0.2500	uniform(0, 0.5)
	p2		0.8500	uniform(0.7, 1)

Prior information p1 ~ uniform(0, 0.5); cutoff_outlier.csv

The MCMC Procedure

Posterior Summaries and Intervals

Parameter	N	Mean	Standard Deviation	95% HPD Interval	
p1	10000	0.4398	0.0426	0.3589	0.5000
p2	10000	0.8690	0.0854	0.7216	1.0000
cp	10000	5.5237	1.7111	3.6771	10.4256
l	10000	0.4112	0.2733	0.000036	0.9033
w	10000	0.2336	0.4231	0	1.0000

Prior information p1 ~ uniform(0, 0.5); cutoff_outlier.csv

The MCMC Procedure

Effective Sample Sizes

Parameter	ESS	Autocorrelation Time	Efficiency
p1	4805.1	2.0811	0.4805
p2	9423.8	1.0611	0.9424
cp	5002.8	1.9989	0.5003
l	9241.5	1.0821	0.9242
w	6924.7	1.4441	0.6925

Prior information p1 ~ uniform(0, 0.5); cutoff_outlier.csv

The MCMC Procedure