

JLF Feb 15, 2009

Heteroscedastic Threshold Model with random effects both  
on location and dispersion parameters

*Example: ANALYSIS OF KOCH's RESPIRATORY DATA*

*Polychotomous response: 5 categories*

## LOGIT LINK

Warm up: 10000

then 50000 + 20000 for DIC with Thin=3

	mean	sd	MC_error	val2.5pc	median	val97.5pc	start	sample
PPP	0.3039	0.4599	0.003113	0.0	0.0	1.0	10001	70000
alpha	3.292	0.7538	0.02825	1.948	3.254	4.891	10001	70000
beta[1]	2.651	0.7643	0.02852	1.204	2.632	4.239	10001	70000
beta[2]	4.366	0.9307	0.0364	2.717	4.3	6.376	10001	70000
delta[1]	0.4475	0.1895	0.006827	0.07721	0.441	0.8295	10001	70000
inter[1]	3.292	0.7538	0.02825	1.948	3.254	4.891	10001	70000
inter[2]	1.008	0.5852	0.02136	-0.1127	1.001	2.163	10001	70000
inter[3]	-2.411	0.6559	0.02526	-3.793	-2.378	-1.213	10001	70000
inter[4]	-5.166	0.8817	0.03557	-7.102	-5.093	-3.642	10001	70000
sig.dis	0.5642	0.1291	0.003134	0.3218	0.5599	0.8321	10001	70000
sig.loc	3.265	0.5202	0.0172	2.386	3.218	4.419	10001	70000
var.dis	0.3349	0.1514	0.003599	0.1036	0.3134	0.6923	10001	70000
var.loc	10.93	3.565	0.1181	5.693	10.36	19.52	10001	70000

	Dbar	Dhat	DIC	pD
Y	493.4	362.6	624.2	130.8
total	493.4	362.6	624.2	130.8

Minimum deviance: 416.2









