Final Project

Betsy Cowdery

Data Model :
$Y_i \sim N_p(\vec{\mu}_i, \Sigma)$
$Y_{i,j}^{(0)} \sim N_p(Y_{i,j}, \sigma^2)$

Process Model :
$\sigma^2 \sim IG(s_1, s_2)$
$\mu_{i,j} \sim N(\mu_0, V_\mu)$
$\Sigma \sim IW(V, df)$

Parameter Model:

$Y_{i,j}^{(0)}$	Y_i

σ^2	$[\mu_1, \ldots, \mu_p]_i$, Σ

s_1, s_2	μ_0, V_μ	V, df

Data Model :
$Y_{i,j} \sim N(\mu_{i,j}, \sigma^2)$

Process Model :
$\sigma^2 \sim IG(s_1, s_2)$
$\mu_{i,j} \sim N(\mu_0, V_\mu)$

Parameter Model:

$Y_{i,1}, \ldots, Y_{i,p}$

$\mu_{i,1}, \ldots, \mu_{i,p}$, σ^2

μ_0, V_μ	s_1, s_2