$$Y_{c} = \sum_{t=1}^{q_{c}} a_{t} \quad E_{t} \quad + \sum_{k=1}^{q_{c}} b_{k} \quad C_{0}k \quad + \sum_{j=1}^{p_{c}} \beta_{j} \quad X_{ij} \quad + \sum_{j=1}^{p_{c}} \eta_{j} \quad E_{0} X_{ij} \quad + \mathcal{E}_{0} \quad \quad + \mathcal$$

(re) exp (- be re)

 $\mu_{(-\alpha)} = E(y) - E\alpha$ = exp {- \frac{1}{2} \} \dot xT (\(\Siz_{0}\) + \frac{1}{2}ETE) \dot - 2 \frac{1}{2} (\(\frac{1}{2}\) - \(\frac{1}{2}\) \] $\Sigma_{\alpha} = (\Sigma_{\alpha}^{T} + J_{E}E^{T}E)^{T}, \quad \mu_{\alpha} = 2 \Sigma_{\alpha} \cdot (J_{E}(Y - \mu_{(-\alpha)})^{T} \cdot E)^{T}$ $\sim N(\mu_{\alpha}, \Sigma_{\alpha})$ Simplifying the state of the sta ·b|- ~ exp {- 1/202 (y-1/(-b) - Cb) (y-1/(-b) - Cb) - 1/2 b ∑b b} $\Sigma_b = (\Sigma_{bo}^{-1} + \frac{1}{\sigma^2} C^T C)^{-1}, \quad \mu_b = \Sigma_b \cdot (\frac{1}{\sigma^2} (y - \mu_{(-b)})^T \cdot C)^T$ $\sim N(M_b, \Sigma_b)$ M(-b) = E(y) - Cb $\frac{1}{20^2} \cdot \frac{\beta^2}{\tau_c^2}$ · B|- ~ exp \ - \frac{1}{20^2} \(y - \mu(-\beta) - \tip \)^T \(y - \mu(-\beta) - \tip \) $\mathcal{M}(-\beta) = E(y) - X\beta$ $D_{\tau c} = \begin{pmatrix} T_{c}^{2} \\ T_{c}^{2} \end{pmatrix}$ ~ MYN (μβ, σ² Σβ), · μβ = Σβ Χ (Υ - Μ(-β)) $\cdot \Sigma_{\beta} = (X^TX + \Box^{\overline{c}})^{-1}$ • σ^{2} - \prec $(\sigma^{2})^{-\frac{n}{2}}$ · $(\sigma^$ = $(\sigma^2)^{-\frac{n+\frac{1}{2}+\frac{1}{2}}{2}}$ - $(\varphi^2)^{-\frac{1}{2}}$ exp $\left\{-\frac{1}{2\sigma^2}\left[(y-u)^{-1}(y-u) + \beta^{-1}O^{-1}\tau_{c}\beta + \beta^{-1}O^{-1}\tau_{c}\beta$ ~ inv. Gamma (n+1+1922 , \frac{1}{2} [(y-u)^T(y-u) + \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2}

· 1 - ~ = - 1 - 20° tcj bj. e - 1/2 tcj \mathcal{K}_{c}^{2} ~ inv. Gaussian $\left(\sqrt{\frac{\sigma^{2}}{\beta_{+}^{2}}}\tilde{\lambda}_{c},\tilde{\lambda}_{c}\right)$ · Tefi = | - \alpha \frac{1}{\sqrt{2\pi tei}} \cdot \Q^{-\frac{1}{20^2 tei}} \quad \quad \quad \frac{1}{2\pi tei} \quad \sim inv. Gaussian $\left(\sqrt{\frac{\sigma^2}{\eta_1^2}} \stackrel{?}{\chi_e}, \stackrel{?}{\lambda_e}\right)$ · $\lambda_{c} | - \propto \frac{\lambda_{c}}{2} e^{-\frac{\lambda_{c}}{2} \tau_{i}}$. $(\lambda_{c}^{2})^{\alpha_{c}-1}$. $e^{-b_{c} \lambda_{c}}$ 以(xc) exp(-xc(互要好+bc)) ~ Gamma (ac+ [], 1 + bc)

\$\frac{1}{2} \text{Tc} + bc
\$\ · $\chi^2 = - \propto \frac{1/42}{7-1} \frac{\chi^2}{2} \exp \left(-\frac{\chi^2}{2} + \frac{\chi^2}{2} + \frac$ ~ (x2) 192+ ae-1 exp \(- x^2 \) (\(\sum_{\frac{7}{2}} + be \) \\ ~ Gamma (ae+\$92, = I Tei+be) · 1 |- ~ exp = - 1/202 (y-11-17) - wy) (y-11-17) - wy) - 4 - 102 1 DTe y И(-g) = Ely) - WY Dre = (Tel ... Teg.) ~ MVN (My, o' Zy) · My = Zy WT (Y-M(-y)) * In = (WTW + Dte)-1