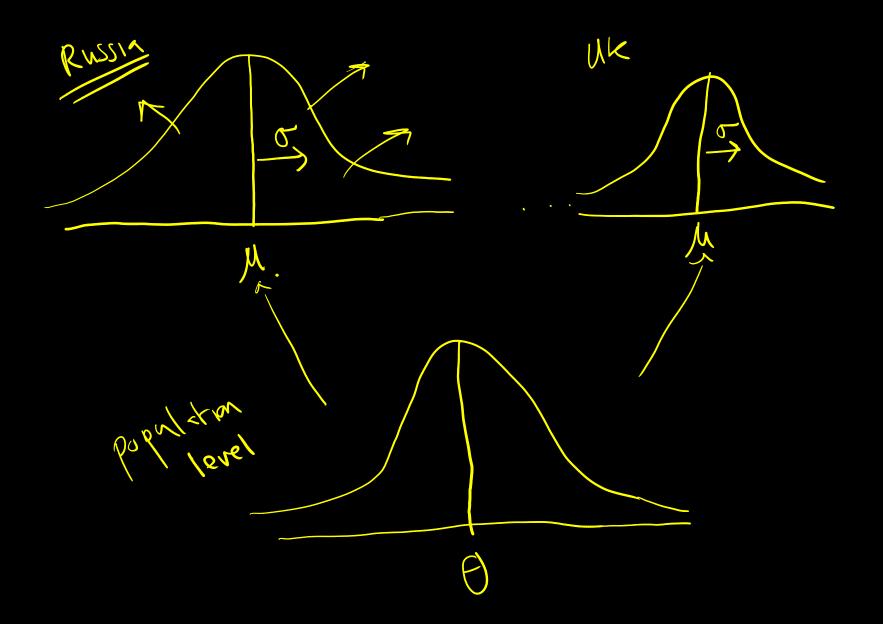
$$\times \sim N(\mu, \sigma^2)$$
 $\times -\mu \sim N(0, \sigma^2)$ 

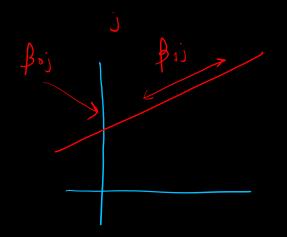
$$\beta \sim N(b, \tau^2)$$

$$\beta - b \sim N(0, \tau^2)$$

$$p(x) = \int P(x \mid y) p(y)$$



Darch 2 barch 71 071 02



$$\vec{\beta}_{j} = \begin{bmatrix} \beta_{0j} \\ \beta_{1j} \end{bmatrix}$$





For j in 
$$1...J$$

$$\beta_{j} \sim N_{2}(\vec{L}, \Sigma)$$

$$\beta_{jo} = b_{0} + Z_{jo}$$

$$\beta_{ji} = b_{1} + Z_{ji}$$

$$\beta_{jo} = b_{0} + Z_{ji}$$

$$\sum = \begin{bmatrix} \sigma_0 & \sigma_0 & \sigma_0 \\ \sigma_0 & \sigma_0 & \sigma_1 \end{bmatrix}$$

