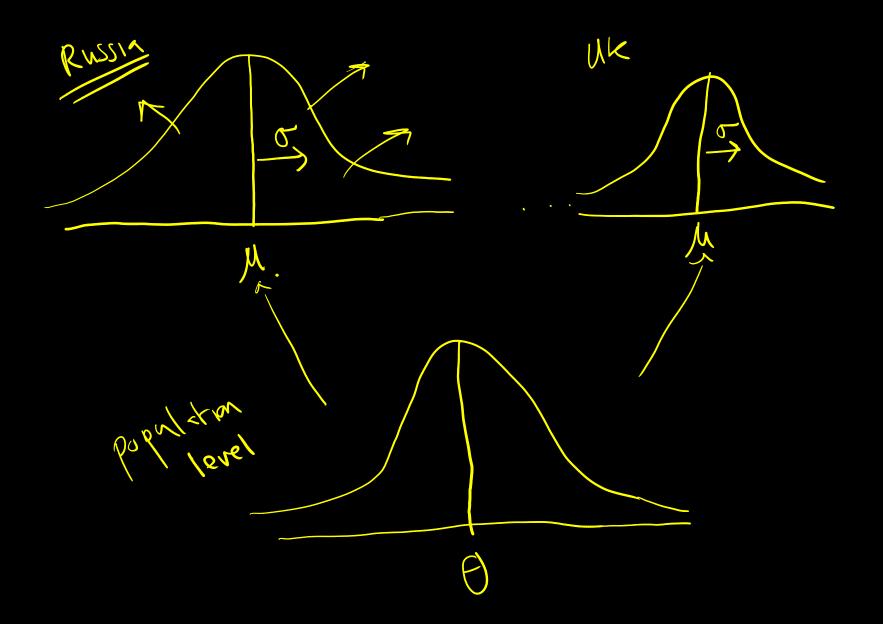
$$\times \sim N(\mu, \sigma^2)$$

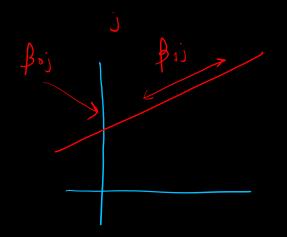
 $\times -\mu \sim N(0, \sigma^2)$

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

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



Darch 2 barch 71 071 02



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





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

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

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

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

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

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

