19/3/2022 Bayesian Linear Regression Parameters,  $\beta = (\beta_1 \dots \beta_k)$ Prior: Recall for  $\mu$  we took  $\mu \sim N(A_0, \tau_0^2)$ Therefore  $\frac{1}{11(\mu)} = \frac{1}{\sqrt{2\pi}} \approx \frac{(\mu - A_0)^2}{2\tau_0^2}$ Where  $\frac{1}{\sqrt{2\pi}} = \frac{(\mu - A_0)^2}{2\tau_0^2}$ Therefore  $\frac{1}{\sqrt{2\pi}} = \frac{(\mu - A_0)^2}{2\tau_0^2}$ stretch
depends on
Coor(B1, B)
V(B1) VIA) Posible Value IZI=determinant I= \( \forall (\beta) \colon (\beta) \colon (\beta) \\ \forall (\beta) \\ Prix for  $\frac{1}{\sigma^2}$  or  $\frac{1}{\sigma^2}$