Ex 3.7 Similarly to exercise 36 We have: P(B14) ~ P(YIB) IP(B) => TT P(4:18) TT P(B). P(Bo) feels into Proportionality απexp(-1/2 σ-2 (4:-βο-ΣΤβ)2) TT exp(-1/2 Τ-2 β;2) => log |P(B14) x - 1/2 [5-2 [4:-Bo-xiB)2+ 7-2/[B2] $\propto \sigma^{-2} \left[\sum_{i} (y_i - \beta_0 - x_i^{T} \beta)^2 + \frac{\sigma^2}{T^2} \sum_{i} \beta_i^2 \right]$ ~ [(yi-βo- xi β)2 + 2 [β]2