

Maximize the LL

$$\nabla_{\theta} L(\theta) = \sum_{i=1}^{n} \nabla_{\theta} \log_{\theta} \rho(x_{i}|\theta) = 0$$

$$n = 75$$
Ex/ Gaussian distribution $\theta = M$, Σ is known
$$\log_{\theta} \rho(x_{i}|\theta) = -\frac{1}{2}\log_{\theta} \{(z_{\Pi})^{d} | \Sigma|_{3} - \frac{1}{2}(x_{i} - \theta)^{T} \Sigma^{T}(x_{i} - \theta)$$

$$\int_{i=1}^{n} Z^{T}(x_{i} - \theta) = 0$$

$$\sum_{i=1}^{n} Z^{T}(x_{i} - \theta) = 0$$
Thun $\theta = \frac{1}{n} \sum_{i=1}^{n} x_{i}$

$$\sum_{i=1}^{n} \left(\sum_{i=1}^{n} (x_{i} - \theta)^{T} \right) = 0$$
Dayosian Estimation
$$\theta_{BE} = \text{carg max} \left\{ \rho(\theta|D)_{3}^{T} = \text{arg max} \left\{ \rho(\theta) \rho(D|B)_{3}^{T} \right\}$$
Non promptor Qensity Estimation

Problems w/ purametic models

- Assume the furm of the probability distribution

- Most distributions are unimodal

