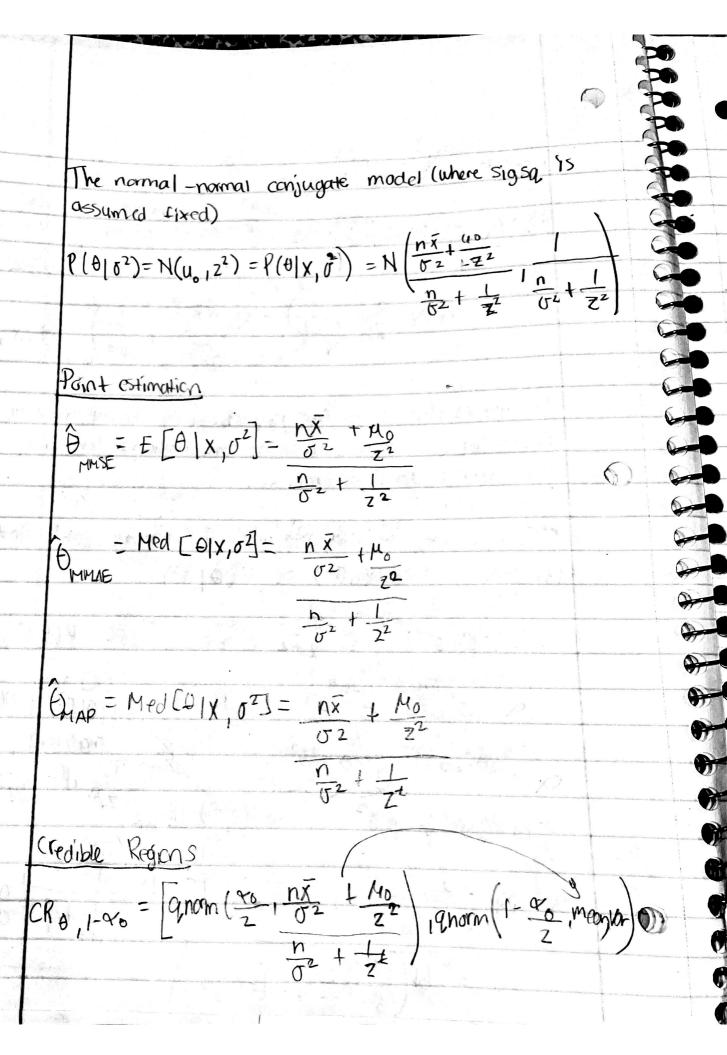


$$\begin{array}{c} \propto e^{-\frac{2x_1^2}{2\delta^2}} e^{\frac{nx}{\delta}} \frac{\partial}{\partial z^2} \\ = e^{\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} \\ = e^{\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} \\ = e^{\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} \\ = e^{\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} \\ = e^{\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} \\ = e^{\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} \\ = e^{\frac{nx}{\delta}} e^{-\frac{nx}{\delta}} e^{-\frac{nx}{$$



$$H_{a}: \theta < \theta \Rightarrow H_{b}: \theta = \theta_{0}$$

$$P_{\text{Va}_{1}} = P(H_{b}|X, \sigma^{2}) = \int_{0}^{\infty} P(\theta|X, \sigma^{2}) d\theta = |-p_{\text{Rorm}}(\theta, mean, var)|$$

$$\theta_{x}$$

$$|e+|s| \text{ Calculate the MLE (this was on HWI)}$$

$$\mathcal{T}(\theta;X, \sigma^{2}) = (2\pi\sigma^{2})^{\frac{1}{2}} e^{-\frac{2}{2}\kappa_{1}^{2}} + \frac{n\bar{x}\theta}{\sigma^{2}} - \frac{n\theta^{2}}{2\theta^{2}}$$

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$$|e+|s| \text{ Calculate the MLE (this was on HWI)}$$

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