$$D = 2 \left(l \left(\theta_{bust} | Y \right) - l \left(\theta_{l} | Y \right) \right)$$

$$= 2 \left(\frac{2}{2} l \left(\theta_{bust} | Y_i \right) - \frac{2}{2} l \left(\theta_{l} | Y \right) \right)$$

$$= 2 \left(\frac{2}{2} \left(l \left(\theta_{bust} | Y_i \right) - l \left(\theta_{l} | Y_i \right) \right) \right)$$

$$\frac{P_{\text{olssun}}}{\int_{Y_i} \left(\lambda | Y_i \right) = \frac{\lambda^{y_i} e^{-\lambda}}{Y_i!}$$

$$\mathcal{L}(\lambda|x_i) = \frac{1}{2} |x_i|^2 + \frac{1}{2} |x_i|^$$

Best
$$E(Y_i) = Y_i = \lambda_{sest}$$

$$F(Y_i) = \lambda$$

$$F(Y_i) = \lambda$$

$$\mathcal{L}(\lambda_{3754} | Y_i) - \mathcal{L}(\hat{\lambda} | Y_i)$$

$$= (Y_i | los | Y_i - Y_i - los | Y_i |) - (Y_i | los | \hat{\lambda} - \hat{\lambda} - los | Y_i |)$$

$$= Y_i | los | \hat{Y}_i / \hat{\lambda} - (Y_i - \hat{\lambda})$$

$$D = 2 \hat{\mathcal{L}}(Y_i | los | \hat{\lambda} - (Y_i - \hat{\lambda}))$$

$$Nomal$$
 $\left(M_{i}\sigma^{2}|Y_{i}\right) = -\frac{1}{2}\log 2\pi \sigma^{2} - \frac{1}{2}\left(\frac{Y_{i}-N_{i}}{\sigma^{2}}\right)^{2}$

$$\int = \frac{\left(\frac{1}{2} - \frac{1}{2}\right)^2}{\sqrt{2}}$$