$$D = 2 \log \frac{\mathcal{L}(\theta_{best} | y)}{\mathcal{L}(\theta_{best} | y)}$$

$$= 2 \left(\mathcal{L}(\theta_{best} | y) - \mathcal{L}(\theta_{b} | y) \right)$$

Bust
$$E(Y_i) = Y_i$$
 m_{column} $E(Y_i) = \hat{X}$

Normal
$$\mathcal{L}(M|Y) = \frac{2}{2} \left(-\frac{1}{2} \log_2 2\pi \sigma^2 - \frac{1}{2} \log_2 (Y_i - M)^2 \right)$$

$$\mathcal{D} = 2 \left(\frac{2}{2} \left(-\frac{1}{2} \log_2 2\pi \sigma^2 - \frac{1}{2} \log_2 (Y_i - Y_i)^2 \right) - \frac{2}{2} \left(-\frac{1}{2} \log_2 2\pi \sigma^2 - \frac{1}{2} \log_2 (Y_i - Y_i)^2 \right) \right)$$

$$= \left(\frac{(y_i - y_i)^2}{(y_i - y_i)^2}\right)$$