

	Date
	Now we have function for megative log likelihood it.
	To minimize the Negative 10g likelihood function, we have to use goadient descent Algorithm Let's take desirative with respect to theta-had
	$\frac{-\frac{1}{2} \log_{1}(y_{0}, y_{0}) - \frac{1}{2} \log_{1}(y_{0}, y_{0})}{\frac{1}{2} \log_{1}(y_{0}, y_{0})} = \frac{-\frac{1}{2} \log_{1}(y_{0}, y_{0})}{\frac{1}{2} \log_{1}(y_{0}, y_{0})} $
	=
	$ \begin{array}{c c} & \underline{\qquad \qquad } \underline{\qquad \qquad \qquad } \underline{\qquad \qquad \qquad } \underline{\qquad \qquad \qquad } \underline{\qquad \qquad } \qquad$
	$= \underbrace{\begin{array}{c} 4 - 6(\hat{o}^{T}x_{i}) \\ 6(\hat{o}^{T}x)(1 - 6(\hat{o}^{T}x_{i})) \end{array}}_{= 6(\hat{o}^{T}x_{i}) \left[1 - 6(\hat{o}^{T}x_{i})\right]x_{i}}$
	$= \left[\frac{1}{4} - 6(\hat{o}^T x_i) \right] x_i$
	whose 6 is a [gi] matrix
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