

Latex

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$$\log(\pi(\boldsymbol{\theta}|\mathbf{y})) = \sum_{i=1}^n (y_i \mathbf{x}_i^\top \boldsymbol{\beta} - \log(1 + \exp\{\mathbf{x}_i^\top \boldsymbol{\beta}\})) - \frac{1}{2}(\boldsymbol{\beta} - \boldsymbol{\mu})^\top \Sigma^{-1}(\boldsymbol{\beta} - \boldsymbol{\mu}) + C$$