林既率初南

样本独立目分布

最后来位计

$$L(w) = \sum_{\tau=1}^{N} || w^{\tau} x_{\tau} - y_{\tau}||^{2}$$

$$\hat{w} = \underset{w}{\operatorname{argmin}} L(w)$$

$$\hat{w} = (x^{T}x)^{-1}x^{T}$$

假波数据噪声: E~NLO, 52)

$$f(w) = w^T x (tb)$$

$$P(y_{\overline{1}}|x_{17}w) = \frac{1}{J_{\overline{2}\overline{1}}\delta} \exp(-\frac{(y_{\overline{1}}w_{\overline{x}})^2}{2\delta^2})$$

$$|\log \pi w|^{\frac{1}{2}}$$

$$|\log \frac{1}{\sqrt{2}\pi}|^{2} + \log \exp(-\frac{(y-w^{2}x)^{2}}{2\sigma^{2}})$$

$$= \sum_{\tau=1}^{N} \left\{ \log \frac{1}{\sqrt{2}\pi} - \frac{(y-w^{T}x)^{2}}{2\sigma^{2}} \right\}$$

$$\tilde{w} = \arg \max \left\{ (w) \right\}$$

$$= \arg \max - \frac{1}{2\sigma^{2}} \left(y_{1} - w^{T}x_{1} \right)^{2}$$

$$= \arg \min \left(y_{1} - w^{T}x_{1} \right)^{2}$$