MTH9898_HW2_Chenyu_Zhao

$$\begin{array}{lll}
\lambda = & \sum_{i=1}^{N-1} (1-x^{i})^{T}(Y-x^{i}) + \lambda \beta^{T} \beta \\
\hline
\nabla J &= 2x^{T} \times \beta \cdot -2x^{T} \cdot Y + 2\lambda \beta = 0 \\
\hat{\beta} &= (x^{T} \times + \lambda I)^{T} \times T^{T} \\
\widetilde{X} &= (x^{T} \times + \lambda I)^{T} \times T^{T} \\
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4.3 original space: $P(A=Ic|X=x) = \frac{\int_{Ic}(x) \pi_{Ic}}{\sum_{i} f_{i}(x) \pi_{i}}$ $f_{ic}(x) = N(M_{ic}, \sum_{j})$ $f_{ic}(x) = N($

Jugil Sik (X) = XTB COM (BTZB) - BTMK - I MKTB (BTZB) BTMK + DuyTik

= Sic(X) it BCBTZB-)BT = Z-1

indeed, because B(BTZB-)BTZB = B

- B(BTZB-)BTZ=I - B(BTZB-)BTZ-I - B(BTZB-