$$Y = GP(\beta, \epsilon^2 I)$$

$$L = (2\lambda)^{-\frac{n}{2}} |\Sigma_n|^{\frac{1}{2}} e^{-\frac{1}{2}(Y-\beta.7)^T} \Sigma_n^{7} (Y-\beta.7)$$

$$\frac{\partial L}{\partial \beta} = 0 \Rightarrow \beta = (\overrightarrow{\uparrow}, \overrightarrow{k}, \overrightarrow{\uparrow}, \overrightarrow{\uparrow})^{\overrightarrow{\uparrow}} (\overrightarrow{\uparrow}, \overrightarrow{k}, \overrightarrow{\uparrow}, y)$$

$$\sum_{n} = V \cdot K_{n}$$

$$= C - \frac{1}{2}\log^{V} - \frac{1}{2}\log^{|K_{n}|} - \frac{1}{2}\log^{|K_{n}|} + \frac{1}{2}\log^{|K_{n}|}(y-\beta)^{T}K_{n}^{T}(y-\beta)$$

$$\frac{\partial L}{\partial V} = 0 \Rightarrow \hat{V} = \frac{1}{n} (y - \beta)^T K_n^{T} \cdot (y - \beta)$$

$$L = C - \frac{1}{2} \log(y - \beta)^{T} k_{n}^{T} \cdot (y - \beta) - \frac{1}{2} \log|k_{n}|$$

$$\beta = 0$$

$$\Rightarrow \frac{\partial l}{\partial \cdot} = -\frac{n}{2} \cdot \frac{-y^T k_n \cdot \frac{\partial k_n}{\partial \cdot} k_n y}{y^T k_n \cdot \frac{\partial k_n}{\partial \cdot} k_n y} - \frac{1}{2} tr(k_n \cdot \frac{\partial k_n}{\partial \cdot})$$

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Kn=ln+6.1

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