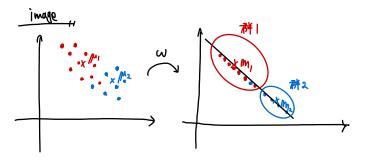
◎ 緑形判別分析 (LDA)

中oint, ∀W が 称型变形 は 像 WT和の 鸟群 e 展大限 分離する



$$0 \quad 1 = \frac{1}{N_1} \sum_{i \in C_1}^{N_1} x_i$$

$$M_2 = \frac{1}{N_2} \sum_{i \in C_2}^{N_2} x_i$$

前 射影後の分散
$$N_i^2$$
 P_i^2 を $i[-\pm c LZ, i]$ 離するためた $\min\left(p_i^2+p_i^2\right)$ を LZ あく $E[(\omega z_{ki}-\omega J_{ji})(\omega z_{ki}-\omega J_{ji})^T]$ $N_i^2 = \frac{1}{N_1} \sum_{i \in C_1}^{N_1} (\omega^T z_{ki}^2 - \omega^T J_{ji})^2 = \omega^T \int_{\mathbb{R}^2} d\omega$ $\int_{\mathbb{R}^2}^{N_2} \frac{1}{|z|^2} \sum_{i \in C_2}^{N_2} (\omega^T z_{ii} - \omega^T J_{ji})^2 = \omega^T \int_{\mathbb{R}^2} d\omega$ $\int_{\mathbb{R}^2}^{N_2} \frac{1}{|z|^2} \sum_{i \in C_2}^{N_2} (\omega^T z_{ii}^2 - \omega^T J_{ji}^2)^2 = \omega^T \int_{\mathbb{R}^2} d\omega$ $\int_{\mathbb{R}^2}^{N_2} \frac{1}{|z|^2} \sum_{i \in C_2}^{N_2} (\omega^T z_{ii}^2 - \omega^T J_{ji}^2)^2 = \omega^T \int_{\mathbb{R}^2}^{N_2} d\omega$

$$(|M_{1} - |M_{2})^{2} = (\omega^{T}(|M_{1} - |M_{2}))^{2}$$

$$= (\omega^{T}(|M_{1} - |M_{2}))(\omega^{T}(|M_{1} - |M_{2}))^{T}$$

$$= \omega^{T}(|M_{1} - |M_{2})(|M_{1} - |M_{2})^{T} \omega$$

$$= \omega^{T}S_{B}\omega^{T} + \frac{1}{2}S_{A}^{T3}$$