First Wa-brear Classification

A first took to external one buen classifiers to man-buen ones D to map the trains date possib x01 to a fisher descensional space where it becomes brearly Separale

by $\varphi(x) = \begin{pmatrix} x_1 \\ x_2 \\ x_{11}^{2} + x_{21}^{2} \end{pmatrix}$

Hence, the advata becom $\mathcal{L}(x) = \omega \cdot \begin{pmatrix} 1 \\ \overline{\mathcal{E}}(x) \end{pmatrix}$

los a surbable han brear funde $\mathcal{I}: \mathbb{R}^n \to \mathbb{R}^n$

and the loss function

 $L(\omega) = \frac{1}{n} \sum_{i=1}^{n} l(S^{i}, \alpha(S^{0}))$

and 9h gradet

hjperplan

 $\frac{\Delta L(4)}{\delta \omega} = \frac{1}{n} \sum_{i=n}^{M} \frac{d L(y^{i}, z)}{d z} \bigg| \frac{L'(x^{i})}{z} \bigg|$