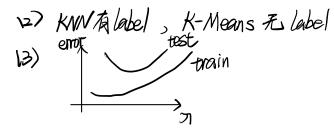
Quiz 6

1 TFTF

2、以线性为连续,逻辑办案散



スツレ

(2) A

13) A

Any
$$\hat{w} = \operatorname{argmin} \| y - X \cdot \omega \|^2 + \lambda \| w \|^2 \triangleq \operatorname{argmin} L(w)$$

Let $0 = \frac{\lambda^2}{810} = -2X^T(y - X \cdot \omega) + 2\lambda w$

$$\Rightarrow \hat{w} = (X^TX + \lambda I)^T X^T Y$$

Us $E(\hat{w}) = (X^TX + \lambda I)^T X^T X \cdot \omega \neq w$

Not unbiased

5、a)() After centeralization $X = \begin{bmatrix} -1 & -1 \\ 0 & 1 \end{bmatrix}$ $C = rift X = \begin{bmatrix} -1 & 1 \\ 1 & 1 \end{bmatrix}$, rift z = 2 , rift z = 2) $v_1 = rift z = rift z = 2$ (ii) var = rift z = 2

b上 NMF 下 PCA