lecture 24 Thursday December E 2024

Prob of point not being selected is  $\begin{pmatrix} l-l\\ n \end{pmatrix}$ Q, what's the prob that a given point is not released even after n trials  $\left(1-\frac{1}{n}\right) \approx \frac{1}{e} = 0.366$ 

→ Over behaven D&D is 0.622]

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The near profession 
$$-\lambda = \frac{1}{k} \ge 0;$$
  
is var  $-\Delta^2 = \frac{1}{k} \ge 0;$   
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Exam II

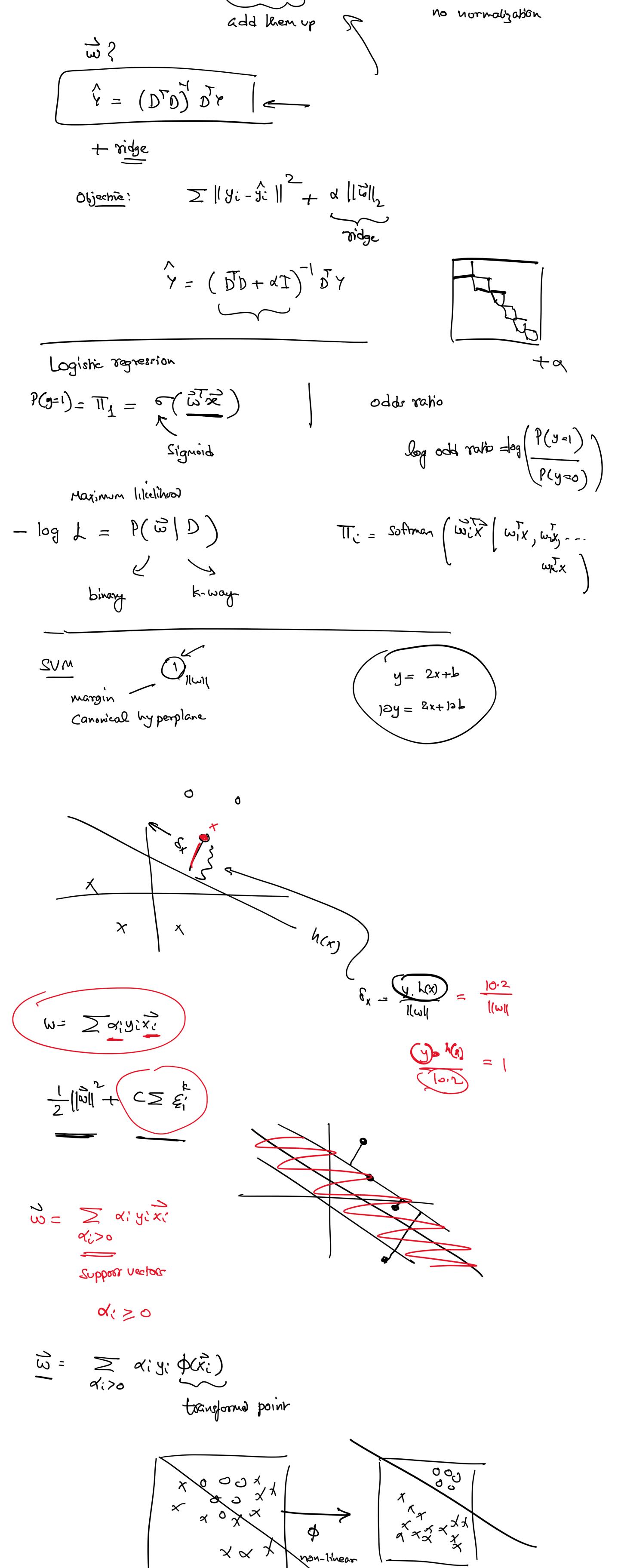
Bayes classifier >> KNN classifier Discriminant Analysis

S via projections ( new orthogonal basis)  $\Lambda = Projoj \gamma auto Ua, U1, U2$ 

$$\int u_0 = 1$$

$$U_1 = X_1 - proj on prev 2$$

$$U_2 = X_2 - prij on prev 2$$





MLP net gradients  $S = \frac{\partial E}{\partial ner}$ Z  $\nabla_{\omega} = \frac{l}{2} \cdot s^{T}, \quad \nabla_{b} = S$ T CNN \* F[]\_\_\_\_\_ ~ k Conv S = stude ץ י  $\boldsymbol{\mathcal{N}}$ J C h nax pooling Assessment K Confusion matrix true K Prod \_\_\_\_\_nj N<sub>í</sub> n' mi roc-corve (5 points/ score) confidence inferval ! ty value for different & k-1 dof N N JU G ( u? )

> is there a significaur difference Q.