Video 8

Sunday, October 4, 2020 9:56 AM

from now on r=0

Eliminate the bias b,  
Add a during feature 
$$x_0$$
 set to value of 1  
Then, the corresponding weight value  $w_0 = b$   
 $\vec{x} = \begin{pmatrix} x_1 \\ \vdots \\ x_D \end{pmatrix}$   $\vec{w} = \begin{pmatrix} w_1 \\ \vdots \\ w_D \end{pmatrix}$   $(=) \quad \vec{x} \begin{pmatrix} x_{i-1} \\ x_{i} \\ \vdots \\ x_D \end{pmatrix}$   $\vec{w} = \begin{pmatrix} b = w_0 \\ w_1 \\ \vdots \\ w_D \end{pmatrix}$ 

Simplified linear classifier : 
$$Z = \vec{w} \cdot \vec{x}$$
  
 $\int 1 \quad \text{if } Z = 30$ 

$$\begin{array}{c} \underbrace{\operatorname{Comple}_{\mathbf{k}} \left( \begin{array}{c} \operatorname{NOT} & x \in \{0,1\} \\ u_{k} \mbox{ Linear deterfor } k \in \mathbb{T} \times \\ \underbrace{\operatorname{deterfor}_{\mathbf{k}} \\ \underbrace{\operatorname{deterfor} \\ \underbrace{\operatorname{deterfor}_{\mathbf{k}} \\$$

