Declaration (A)
$$= \begin{bmatrix} \overline{V_1} & \overline{V_2} \end{bmatrix}$$

A $\overrightarrow{V_1} = \overrightarrow{V_1} \cdot \overrightarrow{V_2}$

A $\overrightarrow{V_2} = \begin{bmatrix} \overline{V_1} & \overline{V_2} \end{bmatrix} \begin{bmatrix} \overline{V_1} & \overline{V_2} \end{bmatrix}$

A $V = V \Delta \Rightarrow A = V D V^{-1}$

Lecture continue (Recall)

 $Y = \{0_1 : \overrightarrow{V_2}\}$
 $X_1, ..., X_r$ feature

 $X_1, ..., X_r$ feature

H={1, , , , o, were}

> Perceptron Learning Algorithm $\overrightarrow{N} \cdot \overrightarrow{X} = 0$ $\overrightarrow{N} \cdot \overrightarrow{X} = 0$ $\overrightarrow{N} = \overrightarrow{O} \quad \text{or random.}$ 2) Calculate gi=11 - VOV=A = AV = VA 3 update all Jz1--p+1 $W_{1} = W_{1}^{t=0} + (y_{1} - \hat{y}_{1})$ $W_{2} = W_{2}^{t=1} + (y - \hat{y}_{2}) \times 1$ $W_{2} = W_{p+1} + (y_{1} - \hat{y}_{1}) \times p$ $W_{p+1} = W_{p+1} + (y_{1} - \hat{y}_{1}) \times p$ Repeat for i=1.11"

Respect steps 2 -> 4 until error is reached. or a max # of iterates. If D'is "linearly separable" ie 300 8. + A 3. 20 yelled an error in D. Men the ag will find ite

3AE(g) = \(\sum_{121} 1 \hat{g} \neq \tag{9} # of error 17720 $Q(\vec{x},\vec{m})$ activation fuet

