Class Exercise on Perceptson Learning [slide No: 14]

DATA

LEARNING

For X

Update weights.

$$\begin{aligned}
& \omega_{SPORT} = \begin{bmatrix} 1 \\ 0 \\ 0 \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix} \\
& (\omega_{SPORT} - \omega_{SPORT}) \\
& \omega_{SPORT} = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix} + \begin{bmatrix} 1 \\ 0 \\ 0 \end{bmatrix} = \begin{bmatrix} 1 \\ 0 \\ 0 \end{bmatrix} \\
& (\omega_{SPORT} + \omega_{SPORT}) \\
& (\omega_{SPORT} + \omega_{SPORT})
\end{aligned}$$

For 212

No change to weights.

For 73

Update weights