$$\begin{array}{c|c}
\hline
x1 & w1 \\
\hline
x2 & w2 \\
\hline
x3 & w3 \\
\hline
... & ... \\
\hline
xn & wn \\
\hline
\end{array}$$

$$net = \sum_{i=0}^{n} w_i x_i$$

$$\sigma(net) = \frac{1}{1 + e^{-net}}$$