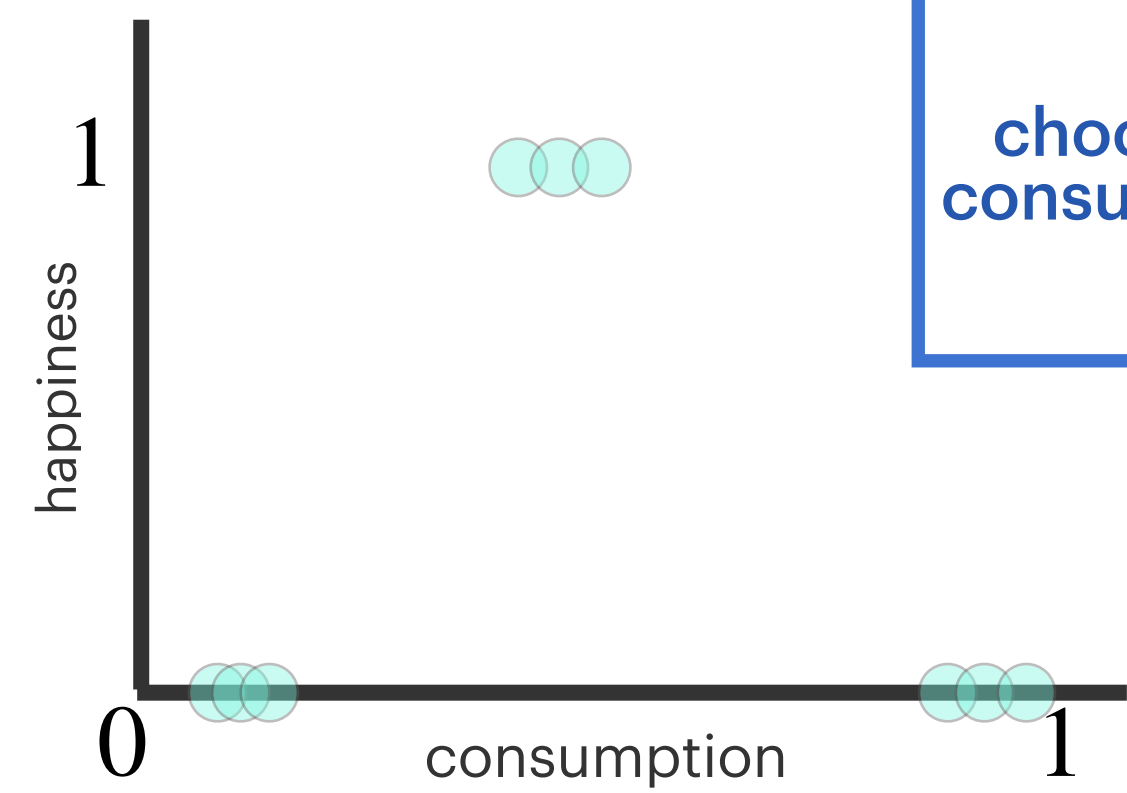


How Do Neural Networks Work?



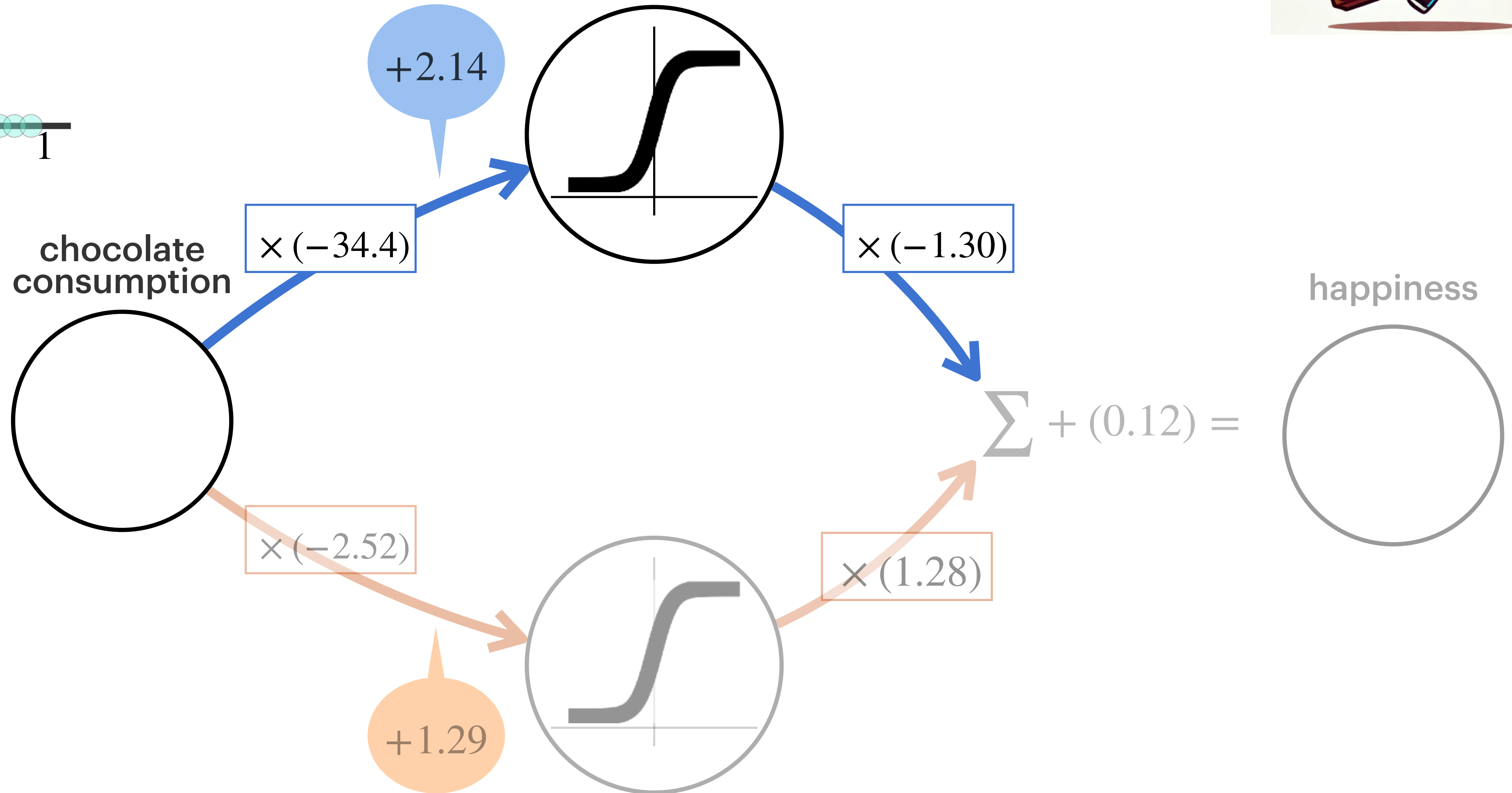
chocolate consumption

$\times (-34.4) + 2.14 =$

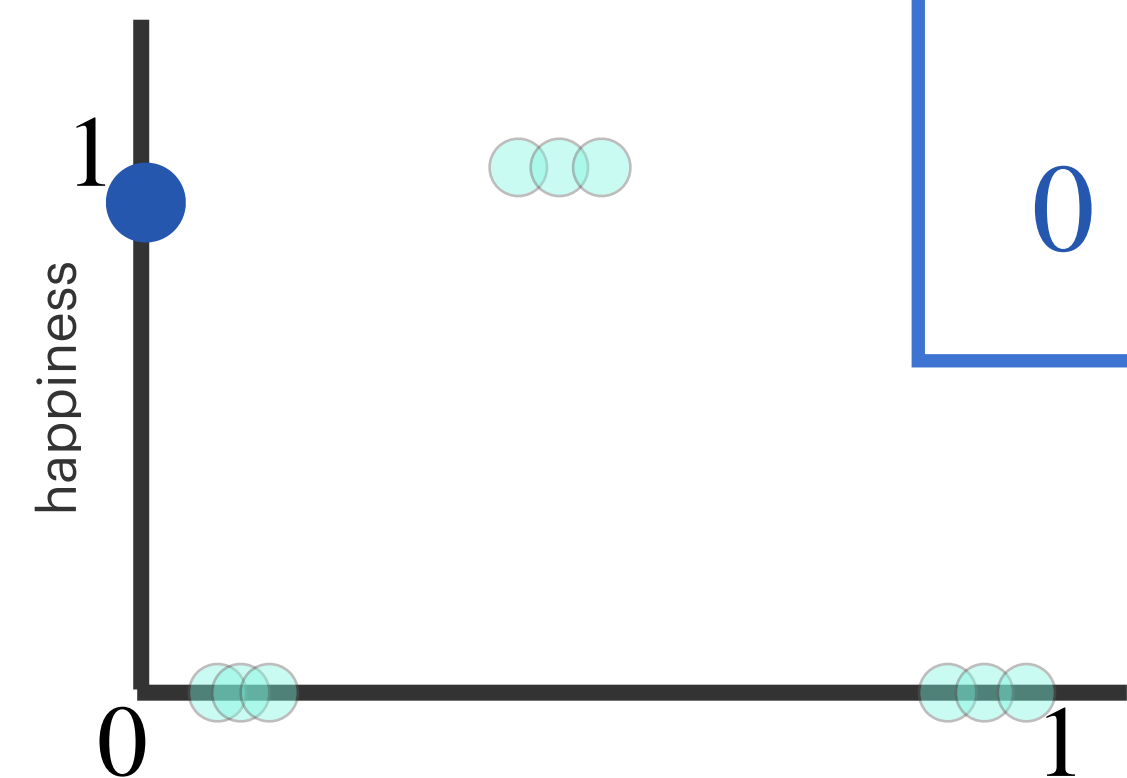
x-axis coordinate of activation function

\rightarrow

plug into sigmoid function for y coordinates
 $f(x) = \frac{e^x}{e^x + 1}$



How Do Neural Networks Work?



$$0 \times -34.4 + 2.14 = 2.14 \longrightarrow f(2.14) = \frac{e^{2.14}}{e^{(2.14)} + 1} = 0.89$$

