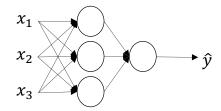
Activation functions

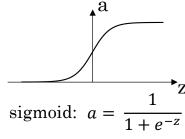


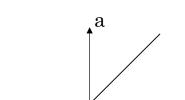
Given x:

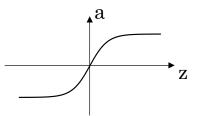
$$\begin{split} z^{[1]} &= W^{[1]} x + b^{[1]} \\ a^{[1]} &= \sigma(z^{[1]}) \\ z^{[2]} &= W^{[2]} a^{[1]} + b^{[2]} \\ a^{[2]} &= \sigma(z^{[2]}) \end{split}$$

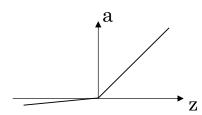
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Pros and cons of activation functions









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