

One hidden layer Neural Network

Activation functions

deeplearning.ai

Activation functions

Civation functions
$$x_{1} = x_{2} = x_{3}$$

$$x_{2} = x_{3}$$

$$x_{3} = x_{4}$$

$$x_{4} = x_{5} = x_{4}$$

$$x_{5} = x_{5} = x_{5}$$

$$x_{6} = x_{5} = x_{5}$$

$$x_{1} = x_{2} = x_{5} = x_{5}$$

$$x_{2} = x_{3} = x_{5} = x_{5}$$

$$x_{3} = x_{5} = x_{5} = x_{5}$$

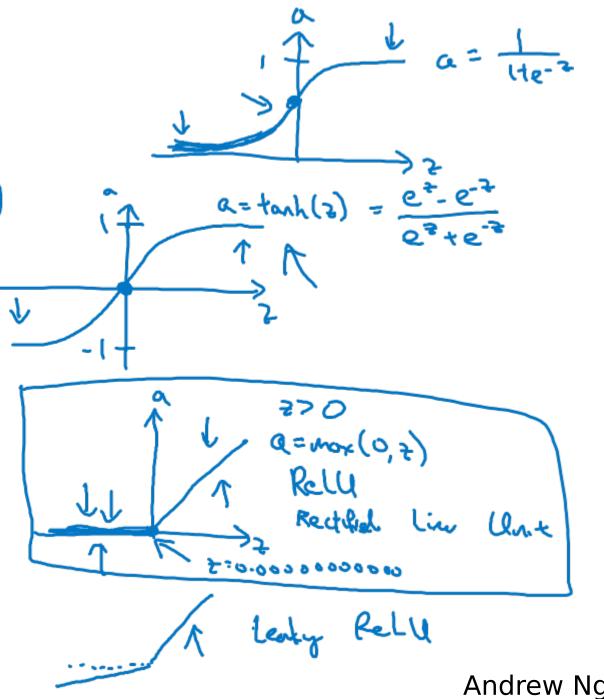
$$x_{1} = x_{2} = x_{5} = x_{5} = x_{5}$$

$$x_{2} = x_{1} = x_{2} = x_{3} = x_{5} = x_{5}$$

$$x_{2} = x_{1} = x_{2} = x_{3} = x_{4} = x_{5}$$

$$x_{1} = x_{2} = x_{3} = x_{4} = x_{5} = x_{5}$$

$$x_{2} = x_{1} = x_{2} = x_{3} = x_{4} = x_{5} = x$$



Pros and cons of activation functions

