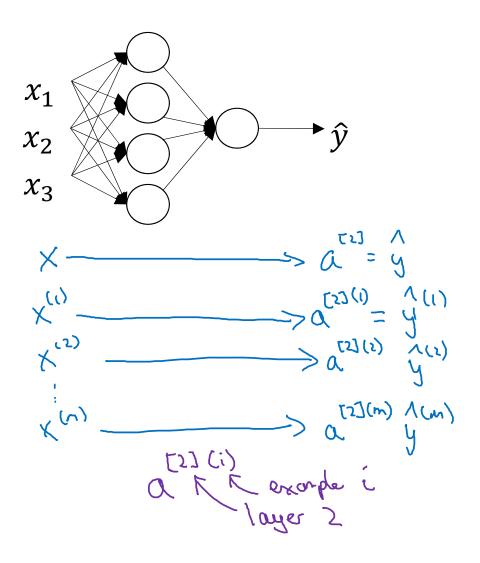


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One hidden layer Neural Network

Vectorizing across multiple examples

Vectorizing across multiple examples



Vectorizing across multiple examples

$$Z^{[i]} = U^{[i]} \times + b^{[i]}$$

$$Z^{[i]} = U^{[i]} \times + b^{[i]$$

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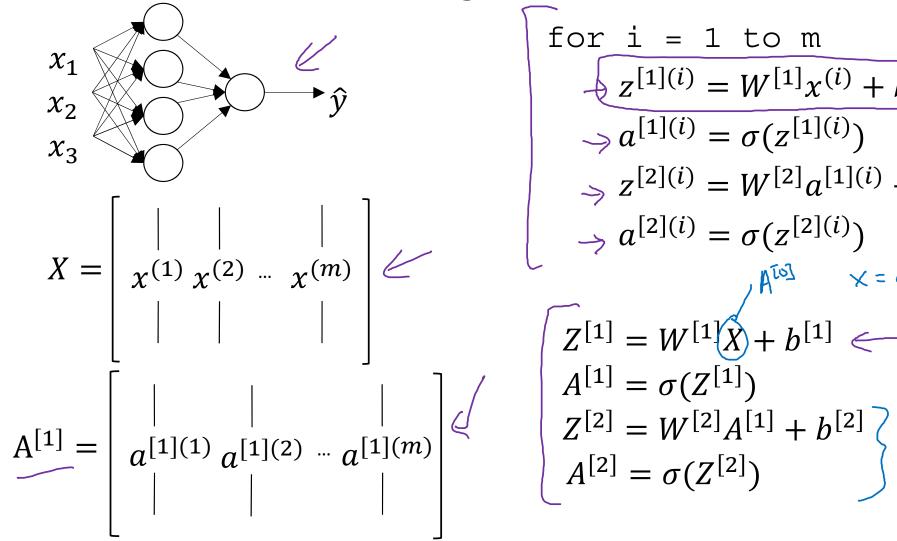
One hidden layer Neural Network

Explanation for vectorized implementation

Justification for vectorized implementation
$$\underbrace{z^{(1)}}_{(1)} = \underbrace{u^{(1)}}_{(1)} \underbrace{u^{(1)}}_{(1)} + \underbrace{u^{(1)}}_{(1)} \underbrace{u^{(1)}}_{(1)} \underbrace{u^{(1)}}_{(1)} + \underbrace{u^{(1)}}_{(1)} \underbrace{u^$$

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Recap of vectorizing across multiple examples



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