

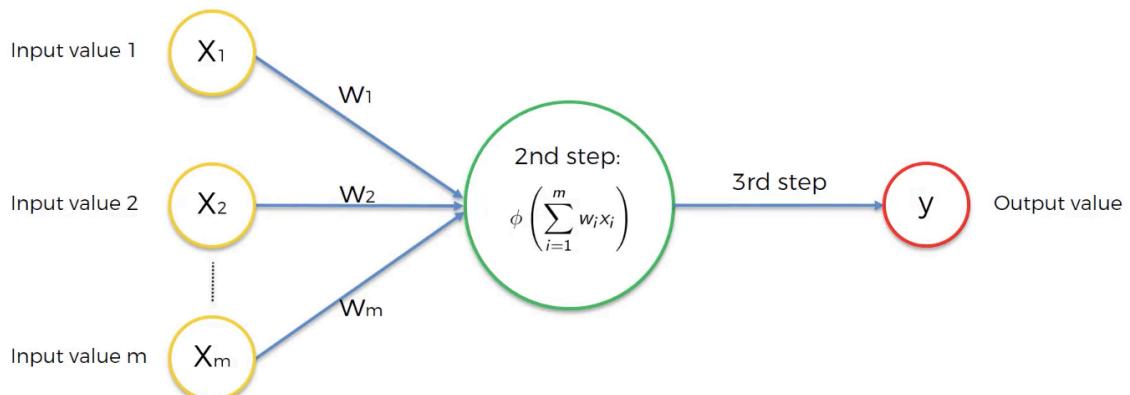
The activation function

The Activation Function

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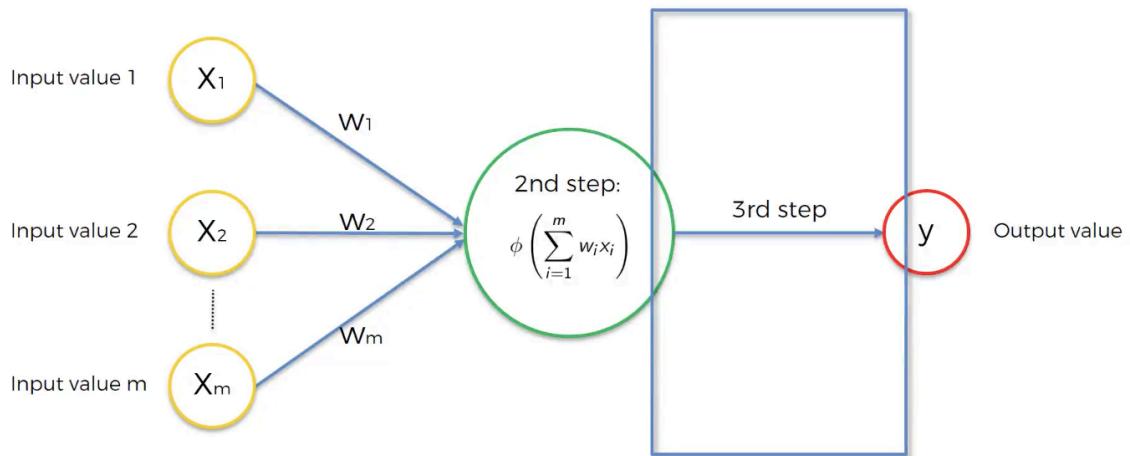
The Activation Function



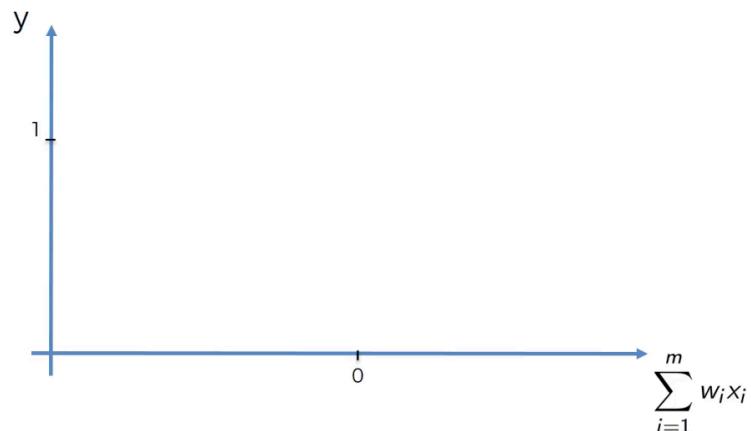
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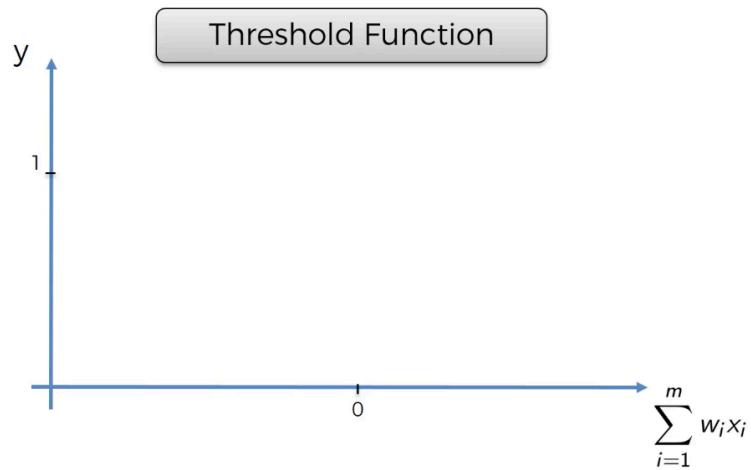


The Activation Function

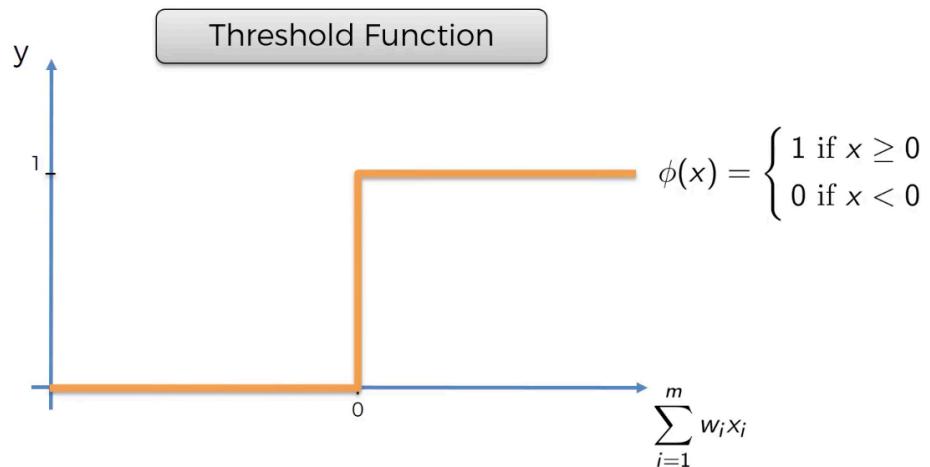


There are 4 dominant activation function.

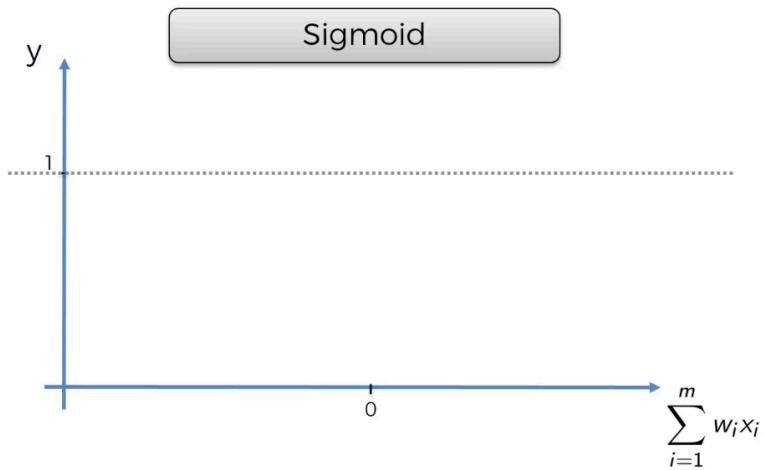
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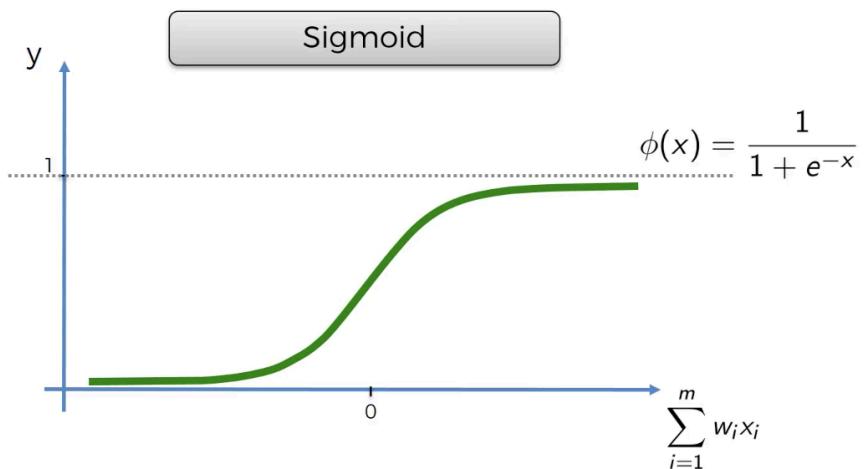
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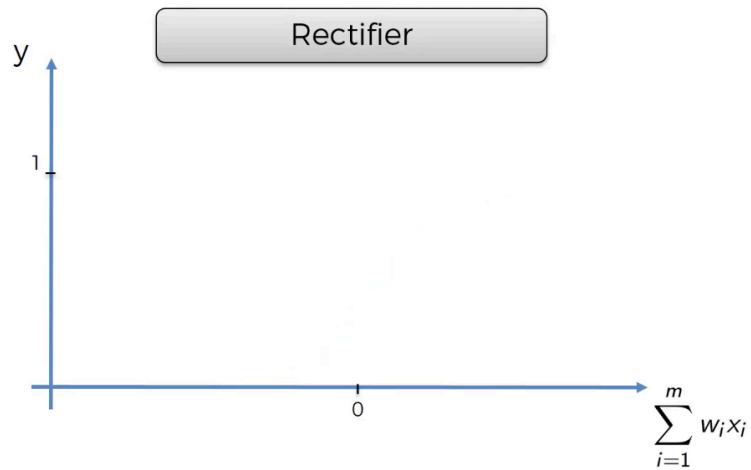
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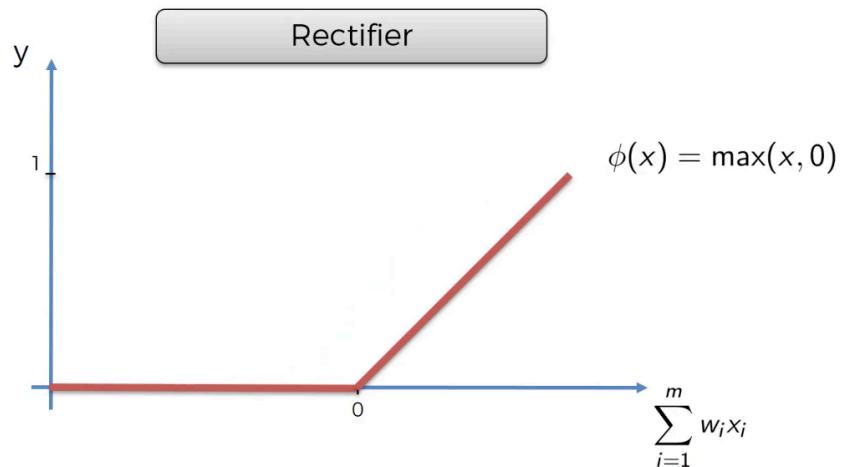
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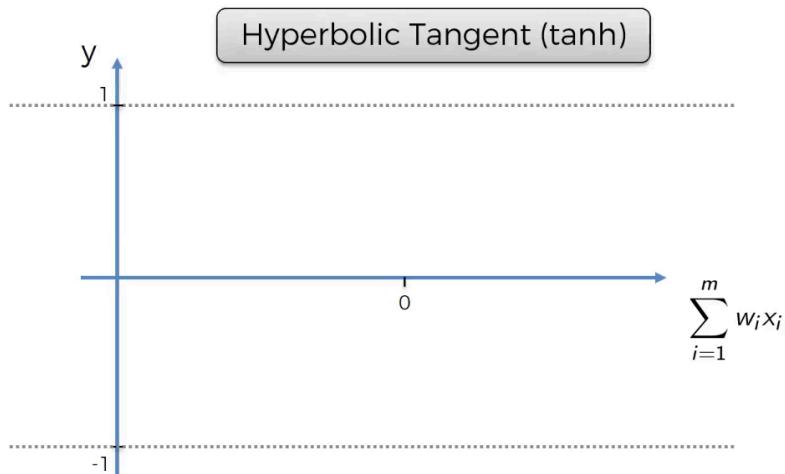
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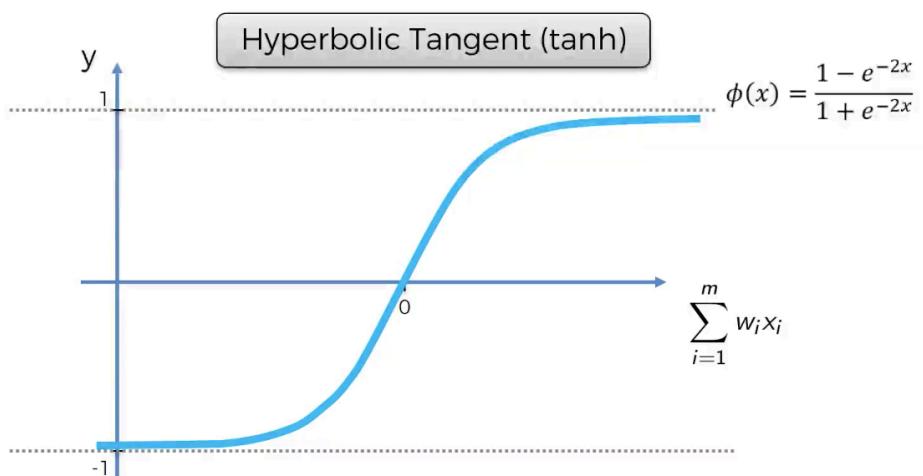
The Activation Function



The Activation Function



The Activation Function

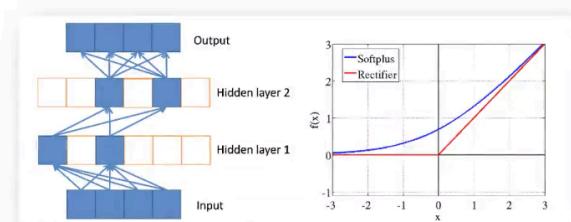


The Activation Function

Additional Reading:

Deep sparse rectifier neural networks

By Xavier Glorot et al. (2011)



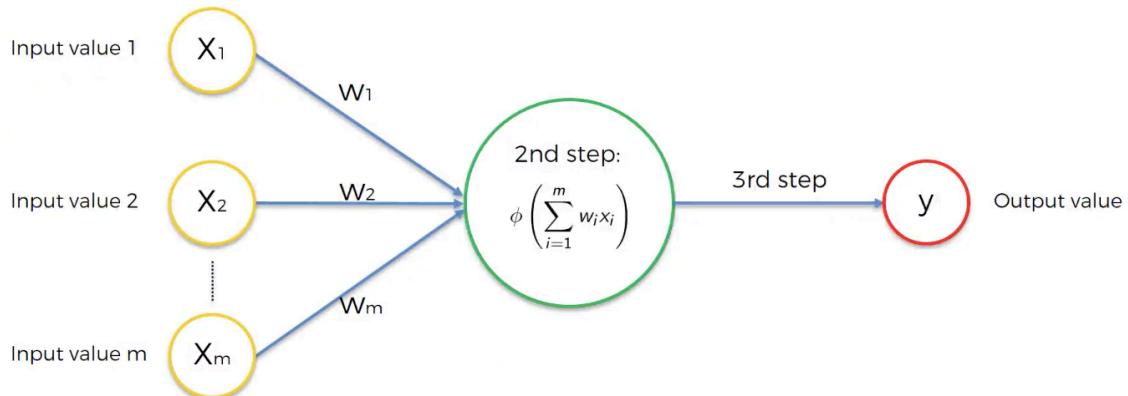
Link:

<http://jmlr.org/proceedings/papers/v15/glorot11a/glorot11a.pdf>

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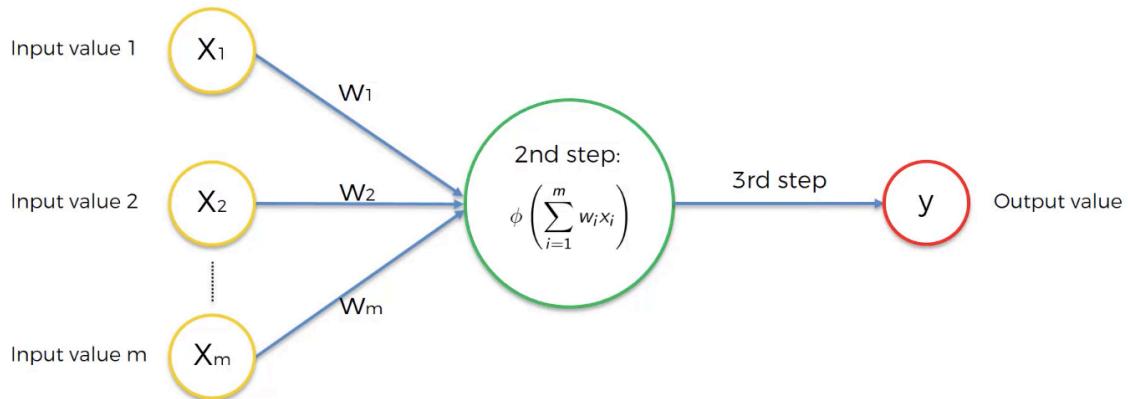
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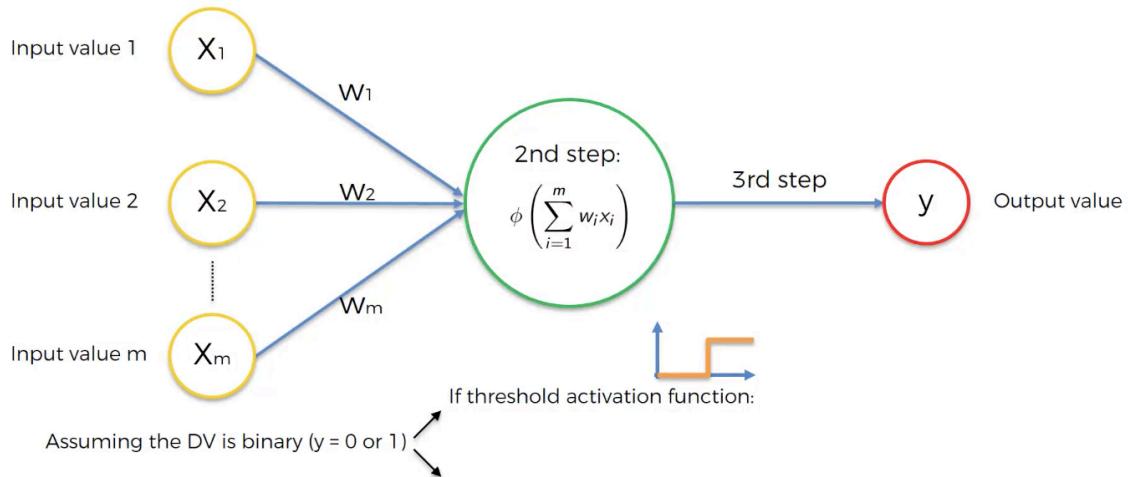
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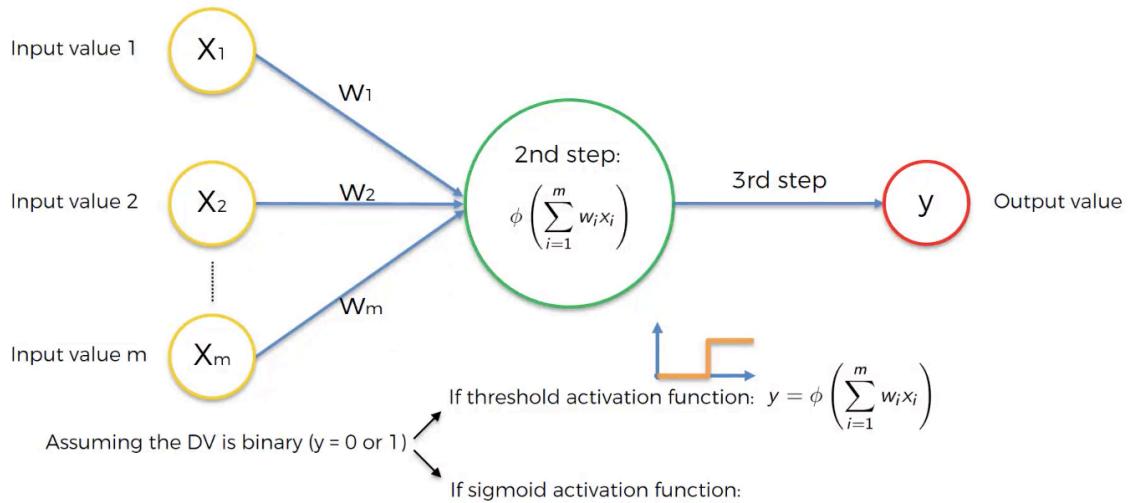


Assuming the DV is binary ($y = 0$ or 1)

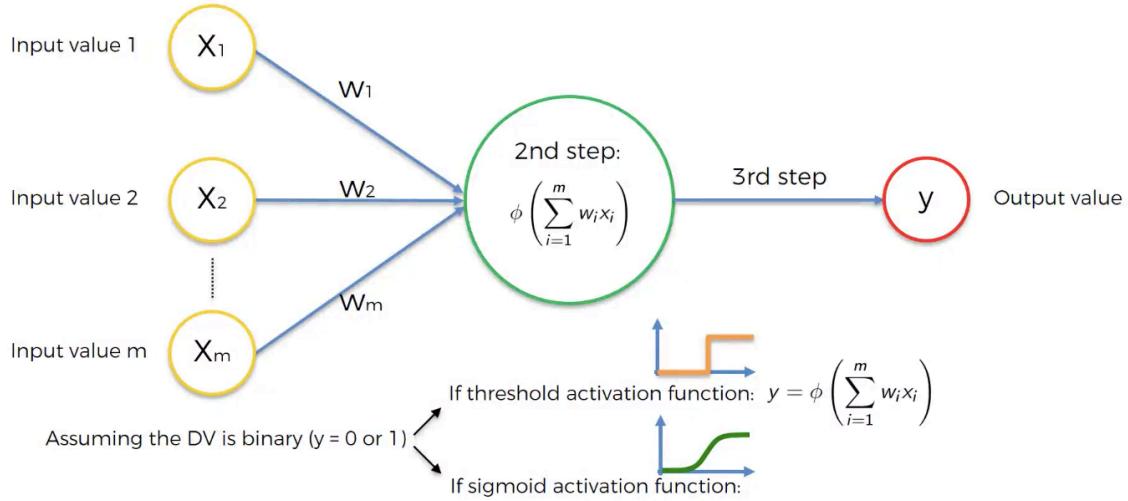
The Activation Function



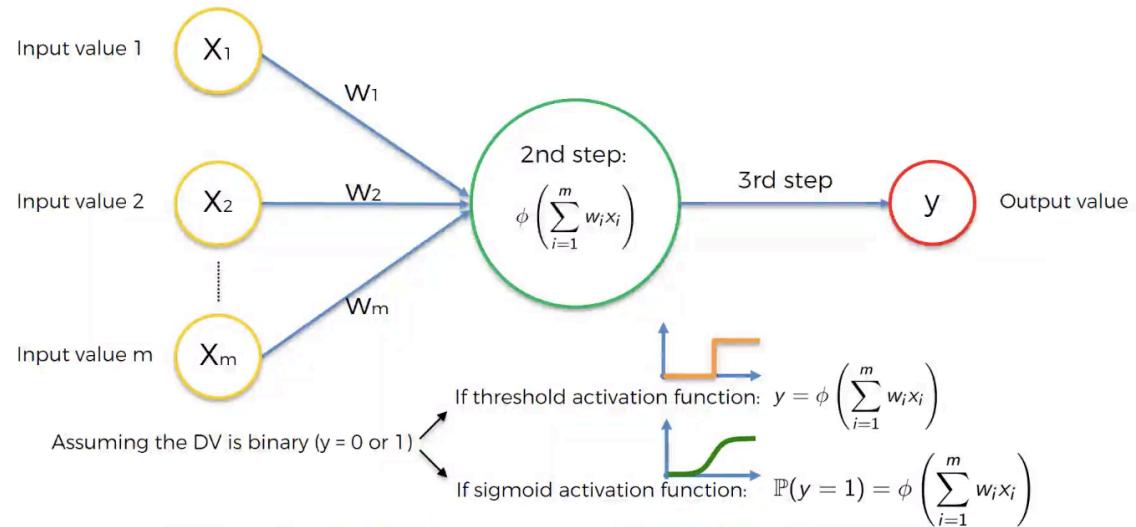
The Activation Function



The Activation Function



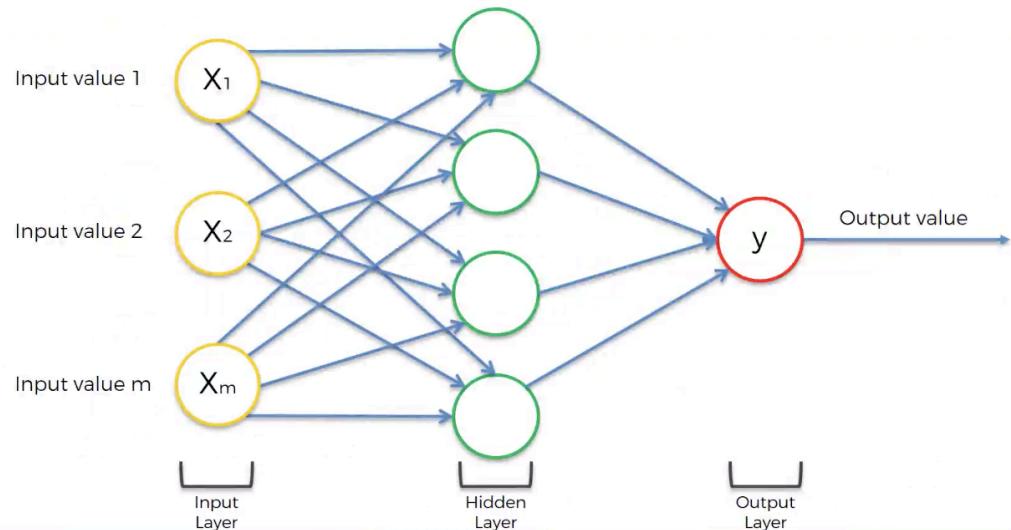
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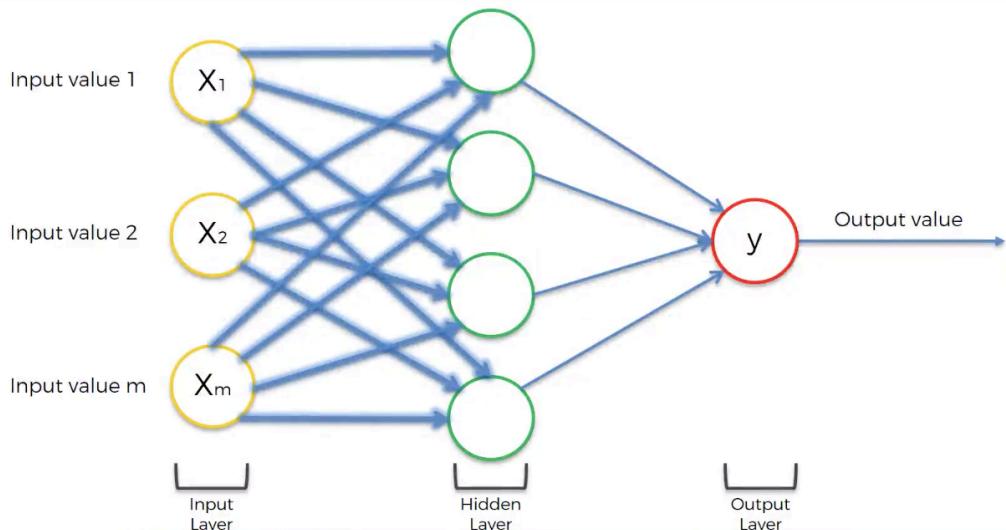
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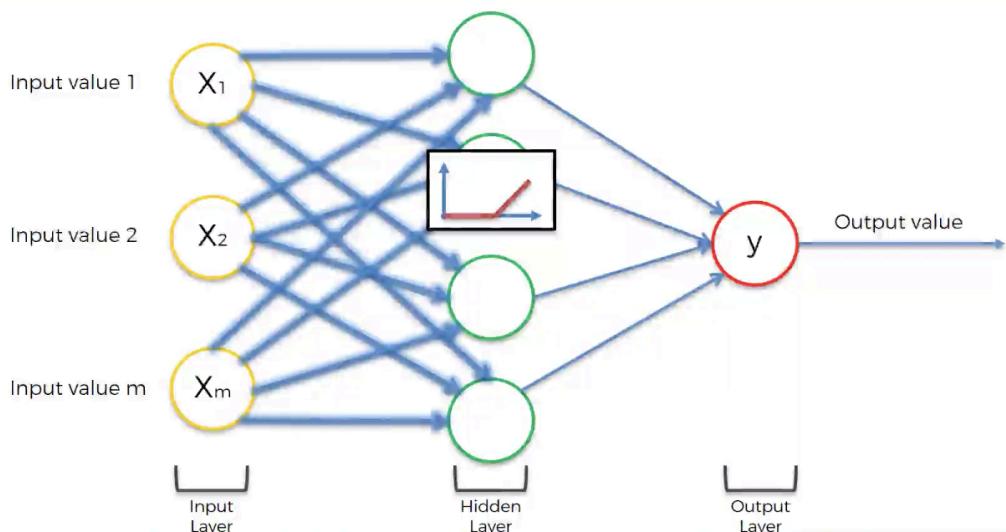
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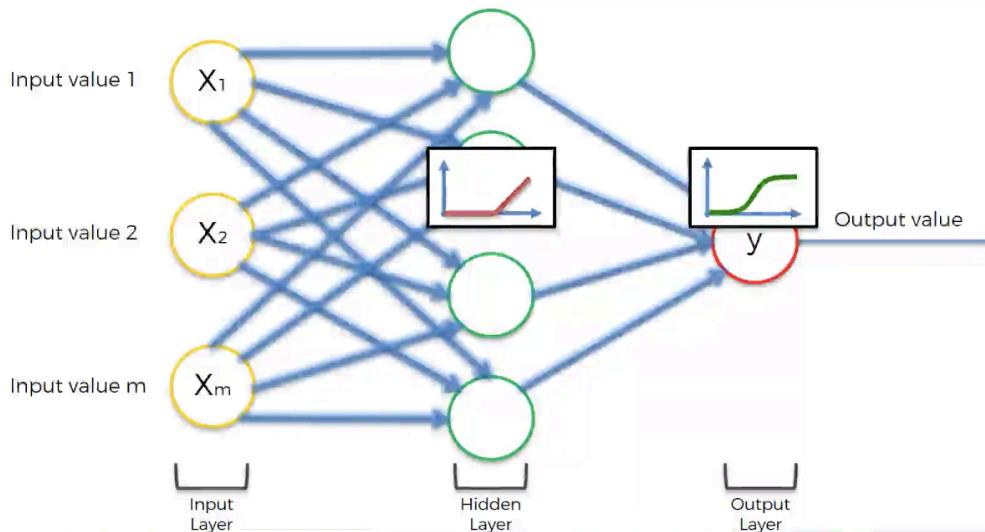
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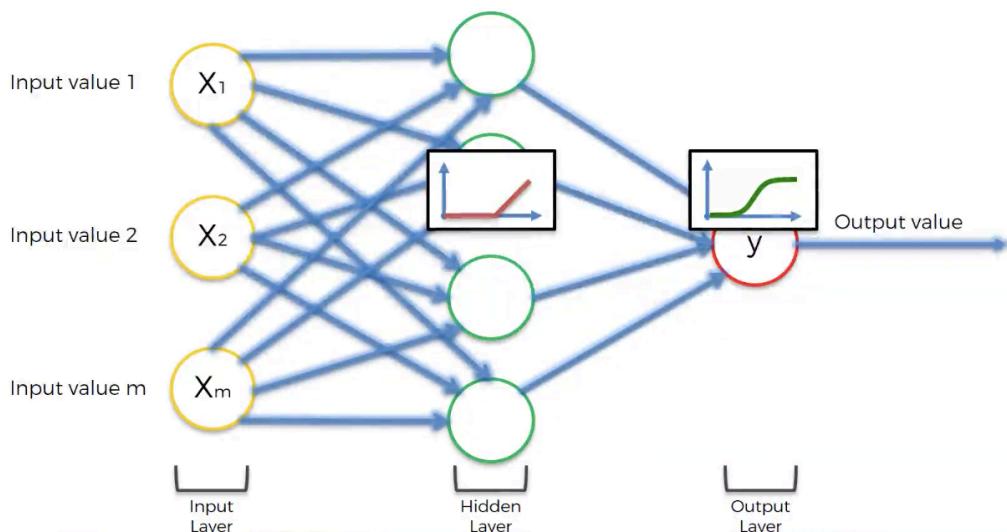
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