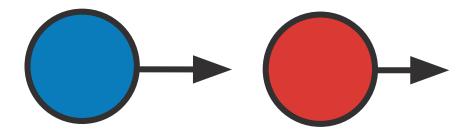
Artificial Neural Networks Classification

Deep Learning Pre-Work

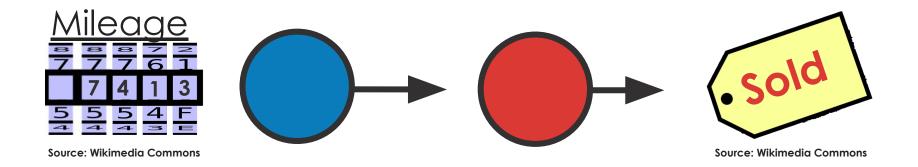
Example





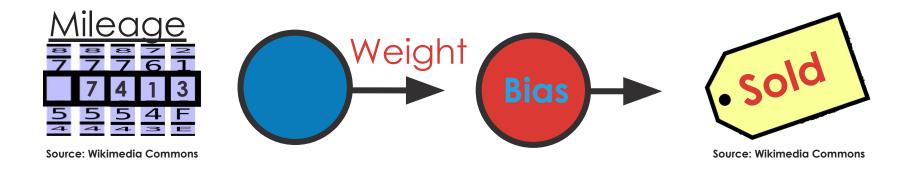
Example

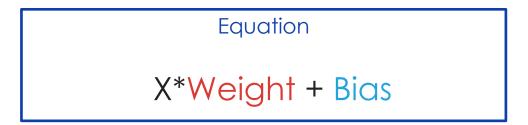




Example

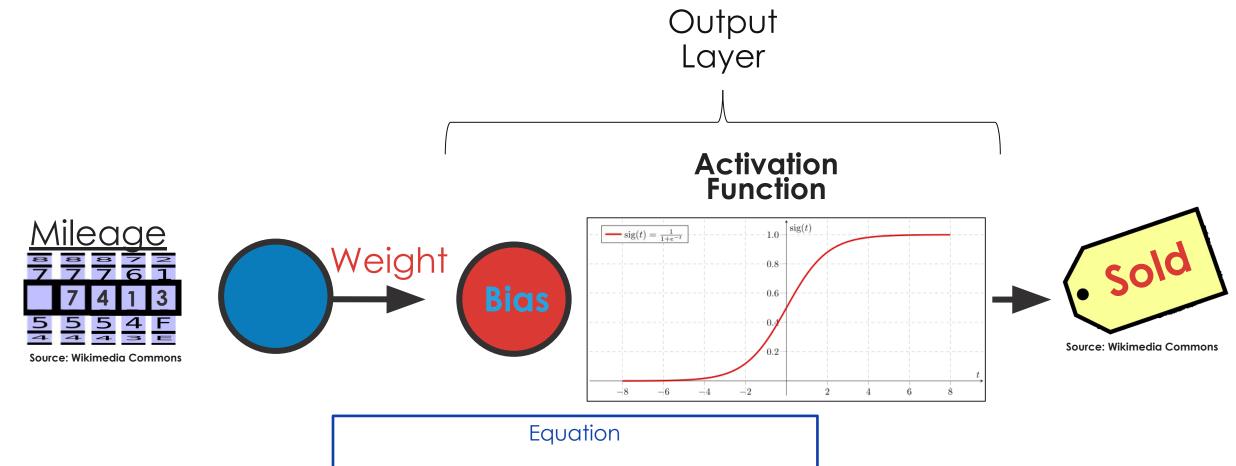






Sigmoid Activation Function





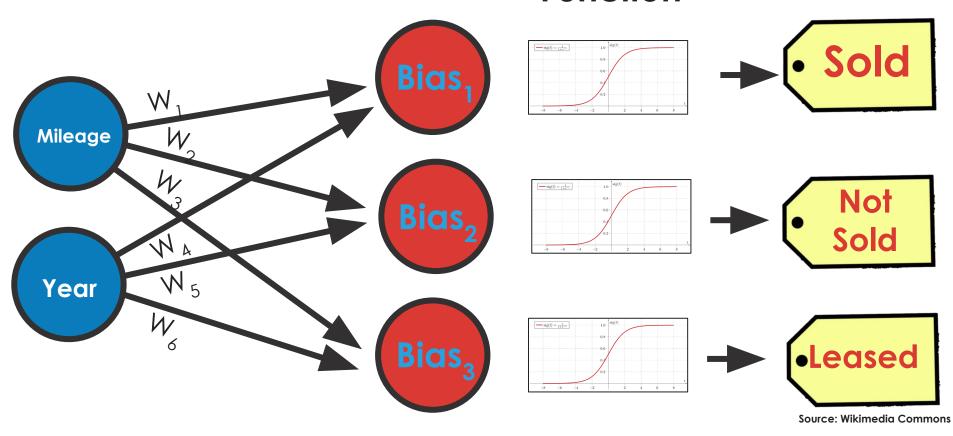
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Sig(X₁*Weight₁ + Bias)

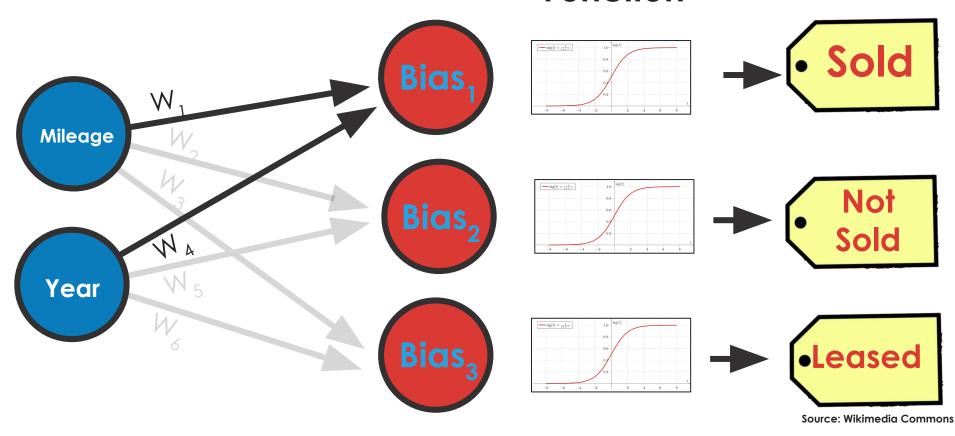


Activation Function





Activation Function

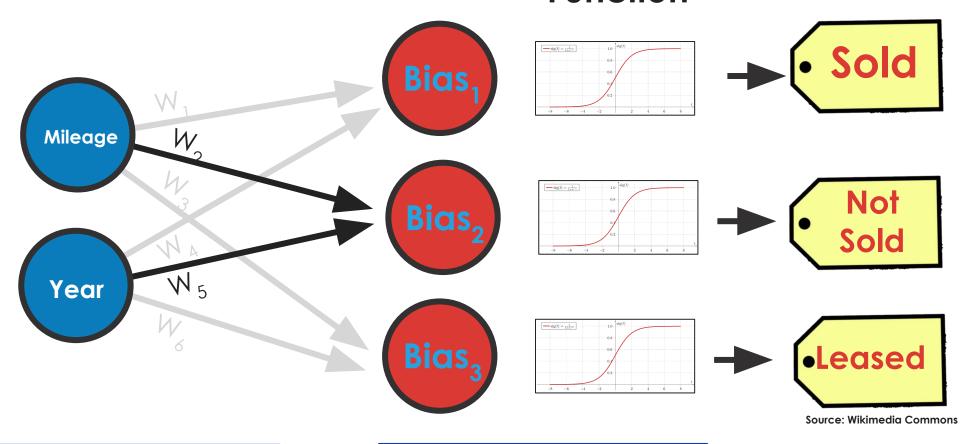


Equation

$$Sig(X_1^*W_1 + X_2^*W_4 + Bias_1)$$



Activation Function



Equation

$$Sig(X_1^*W_1 + X_2^*W_4 + Bias_1)$$

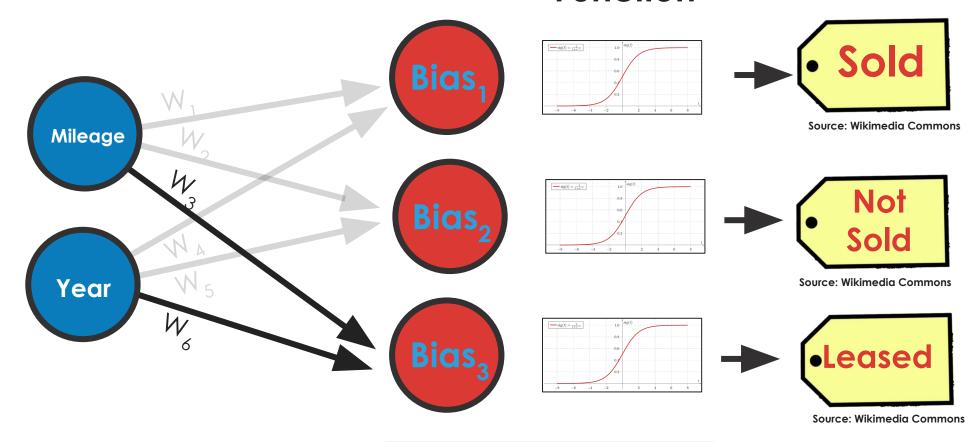
Equation

$$Sig(X_1^*W_2 + X_2^*W_5 + Bias_2)$$

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Activation Function



Equation

$$Sig(X_1^*W_1 + X_2^*W_4 + Bias_1)$$

Equation

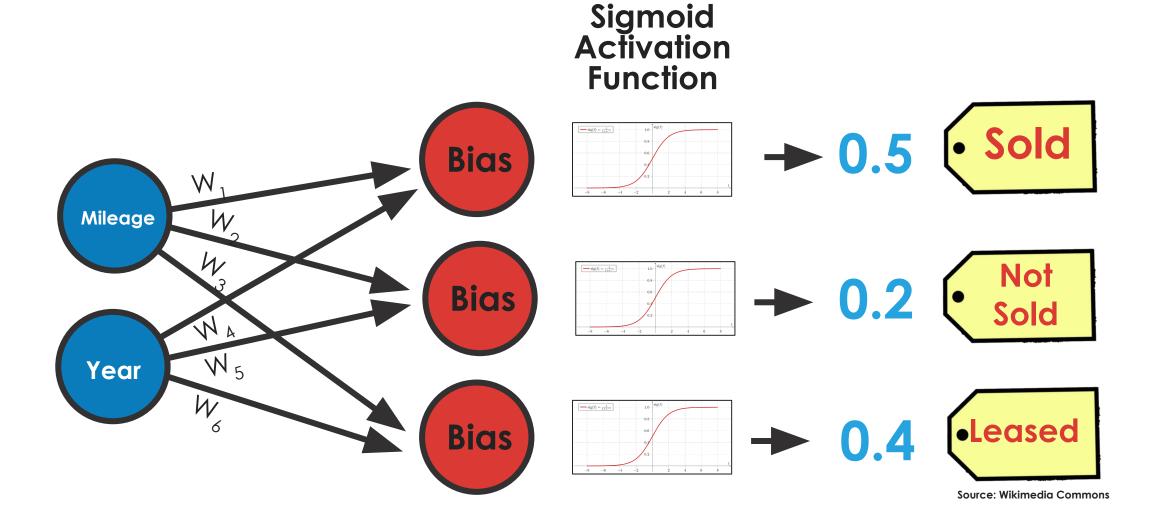
$$Sig(X_1^*W_2 + X_2^*W_5 + Bias_2)$$

Equation

$$Sig(X_1^*W_3 + X_2^*W_6 + Bias_3)$$

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Softmax Activation Function



