# **Summary**

Let’s compare MP Neuron, Perceptron and Sigmoid Neuron

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|  | **Data** | **Task** | **Model** | **Loss** | **Learning** | **Evaluation** |
| **MP Neuron** | {0,1} | Binary Classification | g(x) = ni=1xi  y = 1 if g(x) >= b  y = 0 otherwise | Loss = i(yi !=**i)** | Brute Force Search | Accuracy |
| **Perceptron** | Real Inputs | Binary Classification | y = 1 if ni=1wixi >= b  y = 0 otherwise | Loss = i(yi-**i)2** | Perceptron Learning Algorithm | Accuracy |
| **Sigmoid** | Real Inputs | Classification/Regression |  | Loss = i(yi-**i)2** | Gradient Descent | Accuracy/RMSE |