PadhAI: MP Neuron & Perceptron

One Fourth Labs

Perceptron Summary

When will you use perceptron

1. Data: real inputs
2. Task: Classification (Boolean output)
3. Model: $\Sigma^{n}_{i=0} w_i x_i >= 0$
4. Cost/loss: $\sum_i 1_{(yi \neq \hat{y}i)}$
5. Learning Algorithm: Randomly assign and adjust w and b iteratively till convergence
6. Evaluation: Accuracy
7. How does this tie into final project
8. Perceptron can be used for image detection.