slido

Favorite Programming Language?

ⓘ Start presenting to display the poll results on this slide.

Intro to Deep Learning

Module 2

Part 1 – Content

Today's Topics

- Multi-Layer Perceptron (MLP)
  - Layers
  - Neurons
- Backpropagation
  - Forward Pass
  - Backward Pass
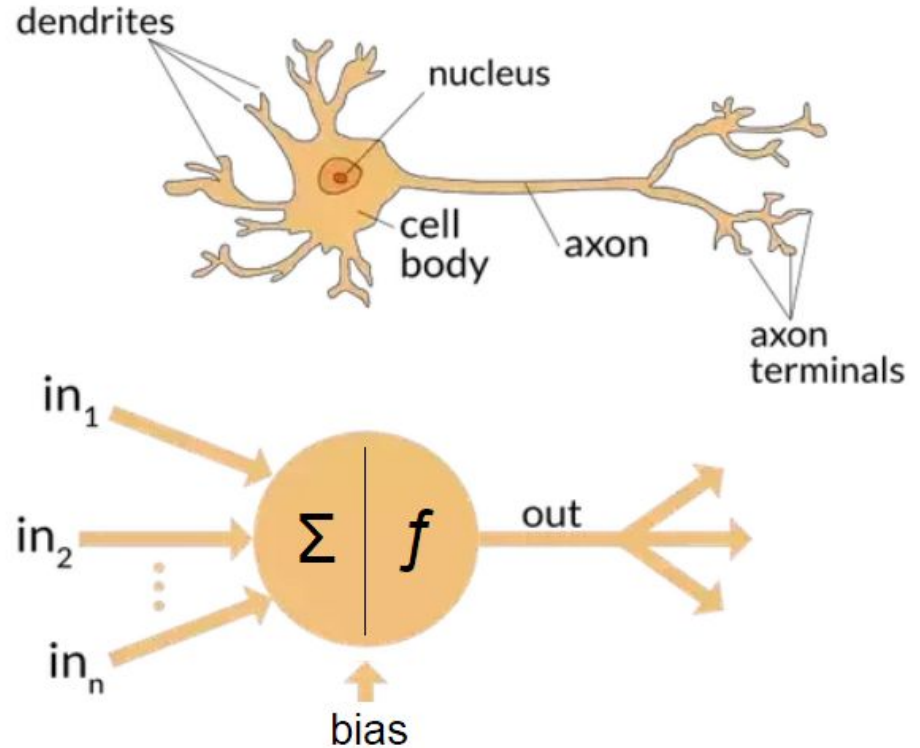- Questions & Discussions
- What's Next

slido

What keywords can you recall for MLP?

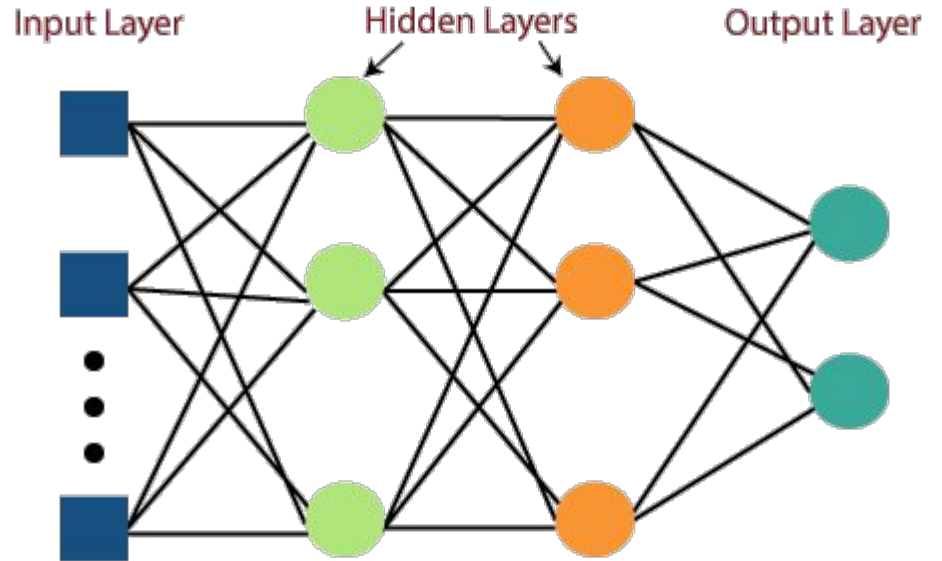ⓘ Start presenting to display the poll results on this slide.

Multi-Layered Perceptron (MLP)

- One of the most common neural networks
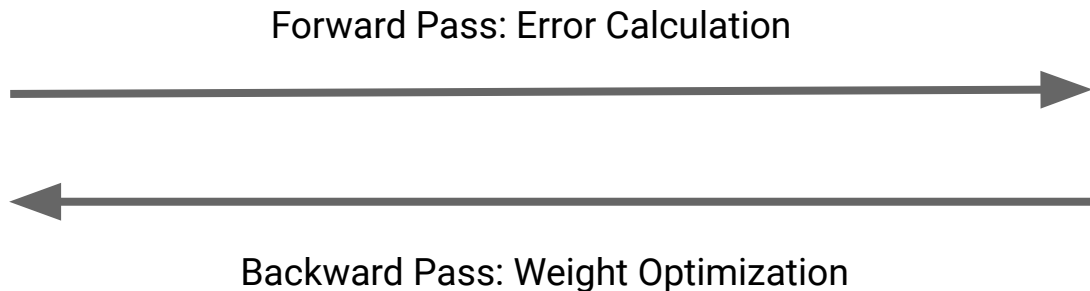- Simple
- Interconnected neurons

MLP Structure

1. Layers
   a. Input
   b. Hidden
   c. Output

Input Layer   Hidden Layers   Output Layer

Backpropagation

- Optimize weights based on loss between prediction and target
- Send loss through network to adjust weight

Forward Pass: Error Calculation

Backward Pass: Weight Optimization

DEMO

slido

Real World Applications of MLP?

ⓘ Start presenting to display the poll results on this slide.

Group Discussion & Question Time!

Thank You!

We welcome any feedback :)

https://forms.gle/BSokDwZGSocJ2J2o8

Part 2 – Lab

Topics