

## One Fourth Labs

---

### Summary and what next

What have we learned in this chapter?

#### 1. Activation Functions

- a. Logistic (✗ Not used much in practice)
- b. tanh (RNNs)
- c. ReLU (CNNs)
- d. Leaky ReLU (CNNs)

#### 2. Initialisation Methods

- a. Zero, Equal, Large (✗ Not used)
- b. Xavier initialisation (tanh, logistic)
- c. He initialisation (ReLU)

- 3. Activation functions and initialisation methods go hand-in-hand, and together, they try to avoid the problem of vanishing gradients and saturation