## **Summary and what next**

What have we learned in this chapter?

1. **Activation Functions**
   1. Logistic (❌ Not used much in practice)
   2. tanh (RNNs)
   3. ReLU (CNNs)
   4. Leaky ReLU (CNNs)
2. **Initialisation Methods**
   1. Zero, Equal, Large (❌ Not used)
   2. Xavier initialisation (tanh, logistic)
   3. 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