

AI ALIGNMENT COHORT RESOURCES

Pre-reads for 7/22 Session:

Neural Networks

1. [But what is a neural network? | Chapter 1, Deep learning](#)
2. [Gradient descent, how neural networks learn | Chapter 2, Deep learning](#)
3. [What is backpropagation really doing? | Chapter 3, Deep learning](#)
4. [Neural Networks in 10mins. Simply Explained! | by Sadaf Saleem | Medium](#)
5. [Introduction to Neural Networks — Part 1 | by Harsha Bommana | Deep Learning Demystified | Medium](#)
6. [Introduction to Neural Networks — Part 2 | by Harsha Bommana | Deep Learning Demystified | Medium](#)
7. [Loss Functions Explained. Intuitive explanations of various Loss... | by Harsha Bommana | Deep Learning Demystified | Medium](#)
8. [Understanding Optimizers. Exploring how the different popular... | by Harsha Bommana | Deep Learning Demystified | Medium](#)

EINOPS

1. [Einops in 30 seconds](#)
2. [Einops tutorial, part 1: basics](#)
3. [Einsum is All you Need - Einstein Summation in Deep Learning](#)
4. [Einsum Is All You Need: NumPy, PyTorch and TensorFlow](#)