LEARNING OBJECTIVES – Lecture 12 (Transformers I)

After attending lecture and completing the associated readings, you should be able to:

1. Describe the basic approach of language modeling, the idea of self-supervision, and the cloze task
2. Describe resource requirements and technologies behind large-scale language models
3. Detail the attention mechanism in sequence-to-sequence models
4. Detail the attention mechanism in language models
5. Discuss the possibility of Transformers as universal computation engines