

Computational Approaches to Language and Mind (CALM)

Jargon / Concept checklist

- ☐ Turing Test
- ☐ Latent Semantic Analysis
- ☐ Co-occurrence statistics
- ☐ Semantic spaces
- ☐ Words as vectors
- ☐ Prediction in language learning
- ☐ Spreading activation
- ☐ Recurrence
- ☐ Simple Recurrent Network
- ☐ Connection strength
- ☐ Error-driven learning
- ☐ Backpropagation
- ☐ Emergent representation
- ☐ Dimensional reduction (e.g. factor analysis, principal components analysis)
- ☐ Deep learning / deep networks
- ☐ Vanishing gradient problem
- ☐ LSTMs / GRUs
- ☐ State spaces
- ☐ Cosine similarity (semantic distance)
- ☐ Surprisal
- ☐ Entropy
- ☐ 1-hot representations
- ☐ LLMs
- ☐ Word2Vec
- ☐ Word embeddings
- ☐ Negative sampling
- ☐ Transformers
- ☐ Attention (in transformers)
- ☐ Bert (the LLM)
- ☐ ChatGPT
- ☐ Mixture-of-Experts models (e.g. Mixtral)
- ☐ Adversarial networks (GANs)
- ☐ Contrastive learning
- ☐ Diffusion models (e.g. Stable Diffusion)
- ☐ CLIP (by OpenAI)

Insert a number to reflect your familiarity with the term:

1 = familiar with the concept, could explain it
2 = somewhat familiar, could give the gist of it
3 = some familiarity, could not convey the gist
4 = have heard of it, but it's just words to me
<blank> = never heard the term before

NAME: _____

