

List of References for the PLS 2025 Poster Presentation - (krish308@purdue.edu)

References

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Additional References - LLMs, Deep Learning, Category Theory

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Action is the primary key: a categorical framework for episode description and logical reasoning, - Yoshiki FUKADA

- <https://arxiv.org/pdf/2409.04793v1>

Category Theory in Deep Learning: A New Lens for Abstraction, Composition, and the Nature of Intelligence

- [Category Theory in Deep Learning: A New Lens for Abstraction, Composition, and the Nature of Intelligence | by Sethu Iyer | Medium](#)

Categorical compositional distributional semantics

- <https://ncatlab.org/nlab/show/categorical+compositional+distributional+semantics>

CatColab - A collaborative environment for formal, interoperable, conceptual modeling

- <https://topos.institute/work/catcolab>

Position: Categorical Deep Learning is an Algebraic Theory of All Architectures - Petar Velicković et al

- <https://arxiv.org/pdf/2402.15332>

3MT style video submission for the Research Writing Strategies course assignment at Purdue University in Spring 2025 - <https://www.youtube.com/watch?v=LjzpisszvKA>