Exploring Curriculum Learning in Neural Networks

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Abstract

This survey endeavors to furnish an extensive exploration of alignment methodologies designed for LLMs, in conjunction with the extant capability research in this domain. but what if.

1 Introduction

let's see if this is working even here. as you can see it does not show if it found a specific citation for this.

2 Related Work

[1] introduced curriculum learning as a formal training paradigm. Several follow-up studies have investigated automatic curriculum generation and self-paced learning.

3 Methodology

This survey endeavors to furnish an extensive exploration of alignment methodologies designed for LLMs, in conjunction with the extant capability research in this domain. [3]

4 Experiments

We present new evidence of overthinking, where models disregard correct solutions even when explicitly provided, instead continuing to generate unnecessary reasoning steps that often lead to incorrect conclusions.Experiments on three state-of-the-art models using the AIME2024 math benchmark reveal critical limitations in these models ability to integrate corrective information, posing new challenges for achieving robust and interpretable reasoning. [2]

5 Conclusion

References

[1] Yoshua Bengio, Jérôme Louradour, Ronan Collobert, and Jason Weston. Curriculum learning. *Proceedings of the 26th annual international conference on machine learning*, 2009.

[2] Jhouben Cuesta-Ramirez, Samuel Beaussant, and Mehdi Mounsif. Large reasoning models are not thinking straight: on the unreliability of thinking trajectories. 2025.

[3] Tianhao Shen, Renren Jin, Yufei Huang, Chuang Liu, Weilong Dong, Zishan Guo, Xinwei Wu, Yan Liu, and Deyi Xiong. Large language model alignment: A survey. 2023.