Review of: "Harnessing Self-Supervision in Unlabelled Data for Effective World Representation Learning in AI Models"

Dr Wasim Khan[1]

1 Koneru Lakshmaiah Education Foundation

Potential competing interests: No potential competing interests to declare.

This paper investigates conceptual developments of optimized self-supervised learning for real-world computer vision tasks. The motivation, main technique, experiment setup, and evaluation results are basically well presented. However, There are lots of typos and irregular formats throughout the paper. It should be updated in the revised version. Further, In the experiment results section, the authors should give a more in-depth analysis. Also, provide the report on the hyperparameters used for the proposed model in a table. Add some more relevant references in the table. Some of the related references to be added are as follows:

Khan, W., & Haroon, M. (2022). An unsupervised deep learning ensemble model for anomaly detection in static attributed social networks. *International Journal of Cognitive Computing in Engineering 3*, 153-160.

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Khan, W., Haroon, M., Khan, A. N., Hasan, M. K., Khan, A., Mokhtar, U. A., & Islam, S. (2022). DVAEGMM: Dual Variational Autoencoder With Gaussian Mixture Model for Anomaly Detection on Attributed Networks. *IEEE Access*, *10*, 91160-91176.

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Khan, W., Ishrat, M., Haleem, M., Khan, A. N., Hasan, M. K., & Farooqui, N. A. (2023). An Extensive Study and Review on Dark Web Threats and Detection Techniques. In *Advances in Cyberology and the Advent of the Next-Gen Information Revolution* (pp. 202-219). IGI Global.