

Peer Review

Review of: "Optimizing Multi-GPU Training with Data Parallelism and Batch Size Selection"

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This work investigates the role of batch size configurations in influencing training efficiency and accuracy, where MobileNetV2 was used as the base architecture.

In general, the innovation and contribution of the paper are quite limited. Firstly, the main contribution of the paper lies in evaluating the impact of batch size on the accuracy and convergence of MobileNetV2 in single-GPU and multi-GPU environments, which is more akin to an experimental report than an academic paper; secondly, the experimental part of the paper lacks comparison with other existing methods, hence the experimental results lack sufficient persuasiveness. Thirdly, the paper only selects MobileNetV2 as the test model, which is very singular, and the experimental evaluation is far from comprehensive.

Declarations

Potential competing interests: No potential competing interests to declare.