

View Meta-Reviews

Paper ID

204

Paper Title

Wasted Cycles and Waiting Games Analysis of HPC Resource Usage Using Production Cluster Data in FRESKO

Track Name

Applied Data Science Track

META-REVIEWER #1

META-REVIEW QUESTIONS

1. [Summary] Summarize the reviews and provide clear reasoning for your decision

Both reviewers note that the paper addresses an important practical problem in HPC operations and uses a public dataset linking job records to telemetry. The methodology is clear and the approach achieves strong predictive performance and provides actionable insights for both users and administrators. The work provides valuable insights into HPC inefficiencies and the results have immediate practical applications. The main limitation is the application on a single cluster and the sample size used for for waste study. The presentation and writing in the paper could also be generally better.

The technical limitations appear to be well-acknowledged and don't fundamentally undermine the contribution, and the strong practical relevance, clear methodology, and reproducible results outweigh the limitations. While there is room for improvement (especially in expanding the analysis to multiple clusters and larger samples), the current contribution appears valuable enough to be accepted to the conference. The authors could consider expanding analysis to multiple clusters if possible, provide more details about the prediction model and improve presentation in the camera-ready version.

2. Final Rating

Accept
