November 18, 2025

Editors of *Discover Artificial Intelligence*
Springer Nature

Dear Editors of *Discover Artificial Intelligence*,

We are pleased to submit our manuscript entitled:

"Insightimate: Enhancing Software Effort Estimation Accuracy Using Machine Learning Across Three Schemas (LOC/FP/UCP)"

for consideration in *Discover Artificial Intelligence*.

This manuscript presents a unified and reproducible machine-learning framework for software effort estimation, integrating three major sizing schemas (LOC, FP, UCP) within a single harmonized pipeline. Our study contributes a transparent cross-schema methodology, rigorous benchmarking across multiple ML models, and an enhanced COCOMO II configuration. These contributions align with the journal's focus on practical AI, interpretability, and reproducibility.

We believe our article is an excellent fit for *Discover Artificial Intelligence* for the following reasons:

- It provides a reproducible AI-based framework aligned with empirical best practices.
- It addresses a long-standing challenge in software engineering using modern AI techniques.
- It offers practical and industry-relevant insights for effort estimation and project prediction.
- All datasets used are publicly available and fully anonymized.

We further confirm that:

- The manuscript has not been published before and is not under consideration elsewhere.
- All authors have read and approved the submitted version.
- There are no competing interests to declare.
- All data used in the study are publicly accessible.

Thank you very much for your consideration. We appreciate your time and look forward to the opportunity to revise and improve the manuscript as needed.

Sincerely,

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