

Responses to Anonymous Referee #4 (Report #2)

I agree to the publication of the paper. At the same time, I suggest that the Methods section be further condensed in length.

Thank you for your positive evaluation and constructive suggestion. We agree that the Methods section contained redundant explanations, and we have thoroughly condensed it, reducing its length by approximately 30~40% while retaining all study-specific parameters, equations, and citations.

Specifically, we removed the regression equation and itemized symbol definitions in Section 2.3.3, cut textbook-level explanations of standard techniques (GMM assumptions, KS test applications, quantum-mechanics basics), merged duplicated statements on hyperparameters and methodological advantages, and compressed lengthy symbol explanations and threshold descriptions throughout Sections 2.4 to 2.6 into compact single sentences. We believe the Methods section is now substantially more concise while preserving full reproducibility.