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Predictive Performance-Explainability Duality for Big Data Analytics-Powered Healthcare

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Deadline for manuscript submissions: **21 June 2024**



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Message from the Guest Editors

Dear Colleagues,

This Special Issue seeks to attract high-quality manuscripts that demonstrate and validate novel contributions to human-interpretable, principled, and reliable predictive performance evaluation with appropriate statistical metrics and explainability, which are key to scale AI-driven applications leveraging Big Data in healthcare sustainably. In particular, this Special Issue builds upon the works of Parisi & Manaog (2023) involving innovative algorithms in machine learning and deep learning in healthcare, the MQAS guantitative assessment scale of papers on AI-driven applications in healthcare, and Chicco & Jurman (2023) on a further validation of the Matthews correlation coefficient (MCC) as a more robust performance evaluation metric for binary classification with imbalanced data, typical of reallife applications in healthcare, than the area under the receiver operating characteristic curve (ROC-AUC).

We are delighted to invite you to submit your high-quality manuscript on any topics mentioned in the summary of our Special Issue entitled "Predictive Performance-Explainability Duality for Big Data Analytics-Powered Healthcare".

