Editorial

We close the current volume of the **Journal of Data Processing** with a diverse collection of research highlighting the latest advancements in AI, machine learning, and data governance.

In **"Authorship Attribution and Stylometric Analysis of AI-Generated Text: An Evaluation of Prvsiyan's Extended Name That LLM Dataset,"** the authors evaluate stylometric patterns across a corpus of 9,290 passages generated by 18 LLMs. Moving beyond binary detection, the study tests lexical and character level features in an 18-class attribution task. Using a prompt grouped framework to prevent data leakage, the authors find that while model specific linguistic signals are detectable, robust forensic identification on unseen prompts remains highly challenging.

The second article, **"Machine Learning-Based Power Prediction in Large-Scale Wave Energy Farms Using Spatial Coordinates,"** investigates the use of machine learning surrogate models to predict the aggregate power output of Wave Energy Converter (WEC) farms based solely on spatial coordinates. Analyzing the UCI Large scale Wave Energy Farm dataset across four scenarios, the authors implemented strict preprocessing to prevent data leakage. Their evaluation of multiple regression algorithms reveals that nonlinear tree-based ensembles (such as Random Forest and Extra Trees) most effectively capture the complex spatial dependencies of wave farm hydrodynamics.

Finally, **"The Architecture of Trust: Mapping GRC AI Agents, Verified Auditors, and the Governance Gap in Enterprise AI Ecosystems"** addresses the accountability gap in enterprise AI. By analyzing 407 AI-agent and 503 audit firm listings using NLP topic modeling and exploratory clustering, the authors map the ecosystems of Governance, Risk, and Compliance (GRC) AI agents and verified auditors. The findings expose a stark asymmetry: while 100% of verified audit firms list compliance frameworks, only 20.1% of AI agents possess structured, verifiable framework records.

These contributions collectively underscore the rapidly evolving landscape of AI research and its practical applications.

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