

Review Form 3

Journal Name:	Asian Journal of Research in Computer Science
Manuscript Number:	Ms_AJRCOS_127573
Title of the Manuscript:	Advancing Information Governance in AI-Driven Cloud Ecosystem: Strategies for Enhancing Data Security and Meeting Regulatory Compliance
Type of the Article	Research

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript addresses a critical and timely issue for the scientific and business communities by exploring adaptive information governance models in AI-driven cloud environments, which are increasingly prevalent across industries. Its focus on quantitative analysis using advanced statistical methods provides robust and actionable insights, particularly for high-risk industries like Retail and Technology. The findings on Privacy-Enhancing Technologies (PET) and their impact on privacy compliance offer valuable contributions to both theoretical frameworks and practical applications in data security. I appreciate the manuscript's multidisciplinary approach, blending technical, regulatory, and ethical perspectives to address complex challenges in cloud security, making it highly relevant and impactful for the scientific community.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, it's clear and relevant.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	No, the abstract of the article is comprehensive as it effectively covers the research objectives, methodology, key findings, and recommendations. It provides sufficient detail to inform the reader about the significance of the study while maintaining clarity and conciseness. No additions or deletions are necessary, as the abstract successfully conveys the essential elements of the research.	
Are subsections and structure of the manuscript appropriate?	Yes, the subsections and structure of the manuscript are appropriate. The manuscript follows a logical flow, starting with an introduction to the problem, followed by a detailed methodology, presentation of results, discussion, and conclusions. Each section is well-organized, allowing readers to easily understand the research objectives, methods, and findings. The structure aligns with standard academic formats, ensuring clarity and accessibility for the scientific community.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	This manuscript demonstrates scientific robustness and technical soundness through its use of advanced quantitative methodologies, including Cox Proportional Hazards Modeling, Difference-in-Differences analysis, Latent Class Analysis, and Structural Equation Modeling. These methods are well-suited for analyzing complex datasets and ensuring reliable and reproducible results. The integration of diverse and credible data sources, such as Verizon's DBIR, CISA reports, and Google AI datasets, enhances the study's validity and relevance. Additionally, the statistically significant findings, such as the improvement in privacy compliance with PET adoption ($\beta=0.25$, $p=0.001$), underscore the reliability of the conclusions, making the manuscript a valuable contribution to the field of information governance and data security.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	Yes, the references in the manuscript are sufficient and recent, with a strong focus on credible sources such as Verizon's Data Breach Investigations Report (DBIR), CISA reports, and Google AI datasets. These sources are well-recognized in the field and provide up-to-date data to support the study's findings. However, to further enhance the manuscript, additional references could be considered, such as recent studies on Privacy-Enhancing Technologies (PET) or AI-driven security frameworks published in leading journals like <i>IEEE Transactions on Information Forensics and Security</i> or <i>Journal</i>	

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	<i>of Cybersecurity. These could provide deeper context or corroborate the study's findings.</i>	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	The manuscript is well-written and provides valuable insights into enhancing data security and regulatory compliance in AI-driven cloud environments. The use of advanced quantitative methodologies and diverse data sources strengthens the study's credibility. However, some sections, such as the discussion of implications and practical applications, could benefit from further elaboration to enhance the accessibility of the findings for a broader audience. Additionally, including visual elements such as diagrams or flowcharts could help clarify complex concepts for readers. Overall, the manuscript makes a significant contribution to the field and has the potential to inform future research and practice.	

PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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