Review of: "Application of Data Mining Combined with K-means Clustering Algorithm in Enterprises' Risk Audit"

Melika Ghobakhloo[1]

1 University of New Brunswick

Potential competing interests: No potential competing interests to declare.

The article presents a comprehensive exploration of the application of data mining combined with the K-means clustering algorithm in enterprise risk audit, offering a review of related work, a detailed methodology, and a thorough analysis of the study's findings. However, the author needs to emphasize the novelty of their research to demonstrate its contribution to the existing body of knowledge. To ensure the article's technical rigor and clarity, it would be beneficial for the author to address the following points. By considering these, I recommend revising the article to address major technical clarifications and ensure consistency in formatting, citation style, and technical ambiguities.

1. What specific aspects of this study represent novel contributions to the field of enterprise risk audit and data mining? How does this research build upon or differ from previous studies in the same domain?

2. Can you elaborate on any innovative methodologies, algorithms, or techniques used in this study that distinguish it from existing research in the field?

3. How does the integration of the K-means clustering algorithm with the Random Forest Light Gradient Boosting Machine (RF-LightGBM) represent a novel approach to risk audit in e-commerce enterprises? What sets this approach apart from traditional methods or existing literature?

4. Clarify the specific data sources and the process of data collection, including any challenges encountered and the steps taken to address them.

5. Were there any challenges in obtaining and processing the data, and if so, how were these challenges addressed?

6. Provide a detailed explanation of how potential biases in the data were handled and how the reliability of the findings was ensured, including any specific techniques or methodologies used.

7. Were any specific techniques or methodologies used to mitigate bias and ensure the accuracy of the results?

8. Could you elaborate on the limitations of the study and potential areas for future research? Are there specific aspects of the research that could benefit from further investigation or refinement?

9. By considering these points, the author can effectively highlight the unique contributions and novelty of their research, further enhancing the significance of the study.