

# Review of: "Songs Classification Problem Research by Genre Based on Neural Network"

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**Potential competing interests:** No potential competing interests to declare.

1. The paper lacks detailed information about the dataset used for training and testing the neural network.
2. While the paper mentions a classification accuracy of approximately 94%, it would benefit from a more detailed discussion of other evaluation metrics such as precision, recall, F1-score, and confusion matrices.
3. Understanding why certain songs were misclassified could provide insights into the limitations of the current approach.
4. Comparing the performance of the neural network with other machine learning models, such as Support Vector Machines or Random Forests, could provide a benchmark and highlight the advantages or disadvantages of using neural networks for this task.
5. Include a section detailing how the audio features were extracted and any pre-processing steps taken before feeding the data into the neural network.
6. Incorporate recent advancements in the field of music genre classification, particularly studies published in the last few years, to reflect the latest trends and technologies.
7. Provide more granular results, possibly including tables that show the performance of the model on different genres, and discuss any patterns observed.
8. Discuss the process of hyperparameter tuning for the neural network, including the selection of learning rates, number of epochs, and architecture choices.