# 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.

The researchers investigated using a neural network model to classify songs using audio features, particularly Mel-Frequency Cepstral Coefficients (MFCC). There are some points that they may follow:

- In the abstract, “the article contributes valuable insights into the potential of neural networks in song genre classification, pointing to future research and development directions in this area”, may you add the justification?
- There are no findings/results supported with performance evaluation criteria in the abstract.
- What is the dataset you used in the model, metadata, characteristics? (Without dataset characteristics, the model evaluation can be unreliable).
- The classification accuracy and error of classification rates should be mentioned in the abstract.
- To support the hypothesis in the paper and make your article more convincing, you should cite up-to-date references.
- In the introduction section, you should write about the audio features, why you chose (MFCC), and why you chose a deep learning model as a model for classification?
- Are there any critique points you found when you analyzed the recent publications?
- There have been many related articles in the last year; why did you not cite them?
- Can you implement the model on a real labeled dataset of songs and find the performance of the model based on metrics such as true positive (TP) rate, false positive (FP) rate, precision, recall, and F1 measure?
- How did you divide the dataset to create the training and testing datasets?
- Why did you implement a neural network with one hidden layer?
- There are many key sound characteristics that can be utilized to classify songs; why did you choose Mel-Frequency Cepstral Coefficients (MFCC)?
- How did you implement the model? Which tool did you use? What are the platform properties you utilized to implement the model?
- What is the genre that was misclassified using the model? What improvements and future works do you suggest?