

# 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.

This is a very interesting topic and certainly is part of the current popular trends within AI. The approach is as sound and robust as I myself have built systems to distinguish different sounds through time-frequency transforms. That said, I do have some issues that need to be rectified before this paper is published:

1. There should be more information on the data, and specifically, could like songs be compared within a genre, or like songs of different genres? More on the boundary cases would be useful.
2. In discussing the data more, it was not clear how the MFCC is applied – to the introduction, the whole song, or what?
3. Is the general format correct throughout the paper?
4. What is novel to what you are offering over other works?
5. How do you input the data to the NN?
6. On what basis was the activation function decided on for the hidden layer – also, the activation function for the output layer?
7. Some of the equations from 1.1 to 1.4 are standard to NN and could be referenced.
8. It would be better to see statistical parameters to display the accuracy of your network classification.
9. Why were other technologies not used? Would be good to show comparisons against.