

Peer Review

Review of: "Synthetic Data Generation of Body Motion Data by Neural Gas Network for Emotion Recognition"

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1- The current information presented in the introduction needs to focus on a more particular range of material. The first section requires revision because it needs to specifically follow the main research subject, which focuses on body motion synthetic data development for emotion recognition purposes. The research would benefit from an improved viewpoint on the research gap while featuring the innovative application of Neural Gas Networks (NGN) as a primary focus.

2- The article demonstrates an unclear presentation of mathematical variables. The analysis requires each variable to have specific and uniform definitions to make the material easier to understand.

3- The results section demonstrates quantitative excellence, although it fails to present a structured account that explains the findings. Minimal explanation of each metric exists alongside the comparison tables, while non-expert readers need better explanations of metric meaning. Further explanations must link all presented material to its corresponding conclusions and figures.

4- The figures in the manuscript lack proper citation credits and corresponding references. Visual content used in publications needs proper referencing according to ethical standards for original and adapted materials. All figure captions require revision to show the source or author-generated content when no source is indicated.

5- All images in this paper present inadequate viewing quality. Most presented images within Figures 2, 3, 4, 5, etc., suffer from poor quality and pixelated display, which becomes an obstacle to understanding. The paper requires higher-resolution images, boosting both interpretability and reader interaction.

6- A weak, repetitive conclusion section appears within the final section. The main contributions and key findings deserve their distinct statement throughout the author's work. NGN surpasses other generative

models, and you should outline real-life applications in the final section.

Declarations

Potential competing interests: No potential competing interests to declare.